

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORTS

~~1942~~ 1942

1942 - 1943

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This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge.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 16, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of December 1942 .

Introduction:

Though the staff was fully alerted for several days over the 7th and again through the Christmas and New Years holidays a very different atmosphere prevailed from that for this same month a year ago, and generally it was far better. The year that has passed has seen a lessening of the great pressure and tension under which the staff worked for the first several months. At the years end a more normal schedule was in effect and except for necessary restrictions and the inconveniences of the times conditions might be said to approach those of ordinary peace times.

The only event of particular importance was the flying visit from Ranger Hjort in charge of the Haleakala section who spent a few hours between planes in conference with the superintendent in Hilo on the 21st. He brought some very interesting information on probable changes and proposed operations there but which as yet we have not effected or published.

General Weather Conditions

Maximum and minimum temperatures for the Kilauea headquarters and Haleakala ranger station were respectively 74° and 47° and 69° and 40°. Precipitation at these same two stations was 6.26" and 6.07". Snow fell on Mauna Loa and Mauna Kea on the 8th down to the 12,000 foot level where it remained in small patches until the 27th when another storm mantled the mountains as far down as the 10,500 feet level. Frost was reported on 4 days at the Haleakala ranger station.

Rainfall for the calendar year was considerably below normal at Kilauea where only 67.74" fell. This low precipitation caused serious water shortages and strict economy in the use of water had to be practiced. At the Haleakala ranger station rainfall for the year amounted to 63.97". There were 50 clear days at Kilauea during the year, others were cloudy or partly cloudy, and there were 117 days

on which the rainfall was .01" or less. For Haleakala these figures are 186 days clear and 292 with 0.1" or less rainfall. Maximum and minimum temperatures at Kilauea and Haleakala for the year were 79° and 75° and 40° and 33°. At Kilauea the maximum and minimum recordings both occurred in January. At Haleakala the maximum recorded was in June and the minimum in March.

Superintendent's Special Activities

On December 8 the superintendent was one of several honored guests at a luncheon in Hilo given by the Hilo American Legion Post in honor of the Selective Service Local Boards for the Puna and Hilo districts. Besides the superintendent speakers included the Post Commander, the Chairman of the Hilo Board, the Chairman of the Board of Supervisors and Brigadier General H. D. Gibson, U. S. A. District Commander who made the principal address. On the 11th he made an inspection of the Chain of Craters region and the Hilina Pali road as far as Kipuka Nene. On the 16th an inspection of an area occupied until recently by the army for several months was made. On the 20th he conferred for several hours with Major Best from Selective Service Headquarters in Honolulu on matters of considerable local and national importance. On the 21st he met Ranger Hjort, from Haleakala at the airport and discussed with him in Hilo future operations in that section in the light of interesting information furnished by Ranger Hjort. On the 28th he hiked up Mauna Loa to the 11,000 ft. level. At this point snow on the level was 2 inches deep and was probably from 6 to 12 inches near the summit. The trip was principally a 12th birthday present to Kalani Wingate. Close attention was given to alerts over the 7th and through the so-called holidays.

Cooperating Government Agencies

The local newspapers devoted much space to the trip to Washington by the Civil and Military Governors of the Territory and resulting conferences with Interior, Justice, War, and Navy officials on the move to restore to the civil government certain functions taken over by the army under Martial Law. Latest reports indicate an agreement has been reached that would permit a partial restoration of civil government.

In accordance with their request which was approved the army removed one of its buildings from the Haleakala section and restored the site.

Judge Frank McLaughlin of the 4th Circuit Court in Hilo was nominated Judge for the U. S. District Court in Honolulu by the President. During the few years Judge McLaughlin was in Hilo he came to be regarded as one of its ablest citizens.

Registration for the 18 year old group was commenced by the Selective Service Boards throughout the Territory on December 11 in accordance

with the President's proclamation.

Notification was received from the Provost Marshall that the Alien Property Custodian had approved the sale of the building in the park formerly used as a photographers shop by K. Maehara, interned alien. It is expected that the building will be torn down and removed during January. "It is an ill wind" and so on. Thus one more eyesore will be lost to our landscape. It required a fire to get us a new hotel and a war to get this structure out of the way. What it will require to remove the toilet buildings that confront and affront every visitor to Halemauau we hesitate to surmise.

Lectures, Guide Service, etc.

The park naturalist gave four lectures in the park to a total of 115 persons and one lecture outside of the park at an army post to a gathering of 100 officers and men.

At Haleakala the ranger-in-charge conducted three groups of army men through the crater. On one trip over a hundred soldiers made the hike. Bad weather interfered with other programmed trips.

Civilian visitors at the Volcano House are permitted to accompany rangers and others on various field inspections and patrols whenever their presence will not delay or hamper the work.

Research and Observation

Observations at Mokuaweoweo on December 17 showed some fume escaping from the 1942 eruption vent. Otherwise except for the usual steaming, there was no visible surface activity from the volcanoes. Ninety local earth-quakes were recorded during the week ending December 27 of which 44 occurred on December 21. The strongest of these, also on the 21st was plainly felt throughout Puna, in parts of Kau and South Hilo. Most of these earthquakes originated along the northeast Kilauea rift and were of shallow origin. They are not believed to be of much volcanic significance. There was some widening of cracks around Halemauau and in the Chain-of-Craters region.

The volcanologist made two field trips into the Kau desert to examine old extra-crater activity of Kilauea.

It was reported by the park naturalist that the wasp parasite of the fern weevil was found in the park for the first time as far as is known. It was introduced into the Territory more than 20 years ago. Both the weevil and its parasite are of Australian origin. Since biological control is the only practicable method the discovery of the wasp here is encouraging.

A binocular dissecting microscope was obtained on loan for three months from the University of Hawaii for continuing studies of the food habits of the nene.

Ranger Service

On the 8th and 31st rangers made traffic counts at the Hilo Park

Entrance. Our traffic counters are out of order and cannot be repaired locally. The counts were made in order to arrive at a basis for estimating park travel as it seems desirable to attempt reporting once more the rather, for war time, extensive use of the park area by the public.

Several patrols along the shore and outlying sections were made.

Police protection

Considerable time was spent by the acting chief ranger and the superintendent in investigating a reported theft at the Volcano House. Much tedious questioning had to be done during which it was uncovered that the hotel night boy had been stealing liquor from the club room and selling it to guests. He was turned over to the Provost Marshal who is continuing investigation of the theft.

Forest Protection

On one of the shore patrols it was discovered that goats and donkeys had destroyed about 80 coconut trees planted at different points along the shore a few years ago. The considerable increase in the goat population due to inability to keep up the control programs the cause of some concern. We have neither enough men nor time to give proper attention to this work. During the month 71 goats were destroyed at Kilauea and 18 at Haleakala. Three pigs were destroyed at Kilauea.

Fire Protection

A review of fire fighting technique was held on December 8. Instruction was given on the handling of extinguishers, operating the stationary pump and portable booster pump, the fire truck, and fire hydrants. At the end of the two hour instruction period a regular fire drill was held. Fourteen employees attended.

Visitors

Mr. and Mrs. George Armitage, Executive Secretary of the now defunct Hawaii Tourist Bureau arrived for an extended visit just before New Years.

Miscellaneous

Park employees purchased \$237.00 worth of bonds and stamps on December 7.

The annual Christmas party for the children of the park employees and employees of the hotel was held December 24 at the Volcano House. A fine program was arranged that combined Hawaiian music and hulas with Christmas carols. Gifts for most of the children were War Savings Stamps.

Evacuation sites were inspected early in the month and preparations carefully checked.

The hotel was filled over New Years with parties up to celebrate the event. Among the crowd were some boys who had recently been in action in the Solomons.

On December 24 the army authorities extended the curfew for citizen automobiles from 8:00 p.m. to 10:00 p.m.

Edward G. Wingate,
Superintendent

EGW/vm

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

January 5, 1943

MEMORANDUM for the Superintendent

Subject: Monthly Report on Activities of the Ranger Division for
December, 1942.

610 Ranger Service

During December the ranger division devoted more time than in previous months to outdoor patrols. The division was on the alert for December 7 and for the holiday period at the end of the month. Traffic counts were taken for the first time this year.

620 Police Protection

Traffic counts were made at the Hilo entrance on December 8 and 31. Alien passes were checked at the same time. Several road patrols were made over all paved roads in the park.

630 Wildlife Protection

A narrative report was prepared on the nene and shore bird work done in November.

A binocular dissecting microscope was obtained on loan for three months from the University of Hawaii for continuing nene food habits studies.

640-50 Fire Protection

A review of fire fighting technique was held on December 8 from 2:00 - 4:00 p.m. Instructions were given on extinguishers, the park pump, the booster pump, the fire truck, and fire hydrants. A regular fire drill was held at the end of the instruction period. Fourteen members of the staff attended.

660 Tree & forest preservation, etc.

Seventy-one goats were destroyed during the month. Considerable

increase in the number of goats in the park over last year is apparent. Three pigs were killed.

A patrol was made through the eastern end of the park along the shoreline from Kaaha to Kealakomo and inland below the chain of craters road. It was found that goats and donkeys have completely destroyed about 80 unfenced coconut trees planted at several places along the coast in 1941.

690 Public Health

Evacuation places were more fully prepared for use by park residents.

Paul H. Baldwin
Paul H. Baldwin,
Acting Chief Ranger

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

January 4, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the month of December, 1942

Forest protection

During the month of December two inspection trips were made to check on fence lines surrounding koa plots. The fences around the koa plots are in good condition. During these trips goat control work was done and fourteen goats were destroyed. A trip was made to Mauna Iki on December 16, where an inspection was made in that area of the pavillion. The footprints in the show case are in good condition excepting for a few places, where good sized rocks were found on the trail. A trip was made hauling water drums, tools, etc., to the end of the truck trail and thence to the evacuation stations.

Communication

One telephone was found out of order at the Uwekahuna Museum. It was inspected and tested and later was taken out. One telephone was installed at the Hilo Entrance guard house for the purpose of guards reporting to the office.

Fire protection work

A fire ^{re-view} drill was held during the month where extinguishers of different types, fire truck, portable pump, park pump, and connections on hydrants were demonstrated. A total of fifteen members were present.

Police work

A check on speeders and alien traveling permits was made during the day of the 7th. Several aliens were found using defense worker's permits instead of the regular permits. On December 31, traffic count was taken as well as checking on speeders and alien traveling permits.

Special detail

Switchboard, flag, and 24 hr. duty were performed and Hawaii

Rifles drill attended. Gasoline reports were made.

Wildlife

For the month of December, 29 goats and 2 pigs were destroyed.


Thompson Kauhi,
Ranger

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

January 2, 1942

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

SUBJECT; Daily report for the month of December, 1942

12/1/42 Detailed on office duty and also attended a war problem performed by the U. S. army.

12/2/42 Off duty.

12/3/42 Detailed on office duty at a.m. and 24hrs. night duty.

12/4/42 On office duty.

12/5/42 Patrolling - and pig control, covering the chain of craters road and the old Keauhou road. One pig was destroyed.

12/6/42 On office duty.

12/7/42 On office duty. Did some sign painting and detailed on 24 hrs. night duty. Guard mount and patrolled the 29 mile area.

12/8/42 On office duty and painted boards for sign painting.

12/9/42 Spent some time trying to locate a missing park horse around Kipuka O-haina. I was accompanied by warden Hauanio Jr.,

12/10/42 Still trying to locate missing horse - covering O-hikea and Maunaio sections.

12/11/42 Traffic count - Hilo entrance.

12/12/42 Off duty.

12/13/42 Sick leave.

12/14/42 Office duty and also preparing equipment for shore line patrol on December 15, 1942.

12/15/42 Made a remote patrol, covering the chain of craters trail through the old Keauhou road to Ainahou ranch, then to Halape shore line - thence through Keauhou shore line to Apua and Kahue shore line. The Polikeawi and Naaulu sections were also covered. The coconut trees that were planted along Kahue and Kaone shore line were found dead. At Kahue about 9 trees still survive. Three donkeys were seen at Apua and two goats were destroyed.

12/19/42 Detailed on 24 hrs. night duty.

12/20/42 Office duty.

12/21/42 The evacuation points were checked upon by Mr. Finch and myself.

12/22/42 Spent the day repairing material and equipment for the evacuation center.

12/23/42 Patrolled - covering Alealea and Makaopuhi sections. Accompanied by ranger Kauhi. Detailed on 24 hr. night duty.

12/24/42 ~~Off duty - holiday~~ Office duty.

12/25/42 Off duty - holiday.

12/26/42 Off duty

12/27/42 Office duty.

- 12/28/42 On patrol and inspection tour to 10,000 - Mauna Loa. Hauled fuel from the park ware house and repaired the food locker in the rest house.
- 12/29/42 Supplied the evacuation center at Ohikea with fuel, water barrels, and tools.
- 12/30/42 Supplied the evaucation center at 6,500 with fuel, water barrels and tools.
- 12/31/42 Office duty and traffic count at Hilo entrance.

For the month of December, 30 goats and 1 pig were destroyed.

Antone B. Medeiros
Antone B. Medeiros,
Ranger

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

Received
1/6/43
P.H.B.

Wailuku Maui
Jan. 1, 1943

Memorandum to Superintendent Edward G. Wingate through office of Acting Chief
Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of December
is respectfully submitted;

000 General 010 Introduction

-----HAPPY NEW YEAR-----

020 General Weather conditions In the Park (021)

Haleakala Ranger Station:

Max. Temp.	69 degrees on the 11th and 24th
Min. Temp.	40 degrees on the 9th
Rainfall Total	6.07 inches on 7 different days
Clear days	16
Partly Cloudy Days	10
Cloudy Days	5
Frost present	4 days--(9th to 12th incl.)
Fog	none

Haleakala Summit:

Rainfall Total 5.32 inches.

100 Administration 150 Equipment and supplies

One direct current voltmeter was received from the Kilauea Section for use here.

200 Maintenance, Improvement and New Construction 210 Maintenance

The water tank at the second Shelter House at Paliku which was been tipped over
for some time was mounted on four newly constructed concrete piers and given a
general overhauling.

220 Improvements

The old building that used to serve as a clothing room for the C.E.C. Camp and
which stood by the main garage water tank has been moved to the corral and trans-
formed into a saddle shed.

230 New Construction

A new road was constructed to the corral. This road starts from a point along the road from the garage to the Ranger Station and makes one switch back on the way down to the corral. A molasses tank was put up in the corral so that the truck can unload a ton of molasses at a time. Previously the molasses had to be dipped from a tank at the garage and carried in five gallon pails to the corral.

400 Flora, fauna and natural phenomena 410 Ranger guide service

Three trips were made through the crater with the Army and Navy men this month. The trip made on the sixteenth included over one hundred men and presented a beautiful sight as the men wound around the short switchbacks of Halemau-u Trail.

500 Use of Park facilities by the public 510 Increase or decrease in travel

Less men from the armed services saw the crater this month. Bad weather at the summit was responsible for the decrease in visitors.

600 Protection 640 Destruction of predatory animals

Eighteen goats were killed this month.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

January 11, 1943

MEMORANDUM to the Superintendent

SUBJECT: Report of Hawaiian Volcano Observatory for December

Observations at Mokuaweoweo on December 17, showed that some fume was escaping from the 1942 vent. Otherwise Hawaiian Volcanoes were quiet in December.

During the week ended December 27, 90 local earthquakes were recorded. 44 of these shakes occurred on December 21, the day the swarm of earthquakes started. The strongest of these shakes, which did no damage, also occurred on December 21. It was plainly felt in Puna and parts of Kau and S. Hilo. The origin of the earthquakes was about 2 miles east of Napau Crater along the northeast rift of Kilauea. With a shallow origin 11 miles from Halemaumau it is believed that these shakes have no special Volcanic significance.

Tilting of the ground for the month was slight ENE.

Cracks around Halemaumau as well as some of those along Chain of Craters road showed some opening.

The following table shows some of the data obtained during the month:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
Dec. 6	Very slightE	6	4.50
13	" SEE	11	2.75
20	" NE	7	1.75
27	" NE	90	36.00

Work of R. H. Finch:

Routine measuring of seismograms was kept current. Computation

of tilt and seismicity took up a considerable portion of unallotted time. Two trips were made into the Kau Desert to view old extracraternal activity of Kilauea. Considerable time was spent in supervising the USED carpenters while they were restoring the Observatory - Naturalist building to the approximate condition that obtained before it was occupied by the Army.

Work of Peter Malo

A large portion of each day was taken up in the routine care of seismographs. Repairing seismograph drums and cleaning and oiling clock were the principal other time consuming jobs.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1922)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

November 1942

IMPORTANT

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ARNO B. CAMMERER,
Director.

January 12, 1943

MEMORANDUM for the Director:

There follows the report of activities in Hawaii National Park during November which was delayed in preparation because the Haleakala section report was lost in transit and when a copy arrived we were busy with an investigation that required considerable tedious questioning.

Introduction

November was quiet and uneventful though attention was given to checking on the fire protection and other exits in preparation for any possible recurrence of the events of December 1941. The local elections resulted in the election of Territorial Senator Joseph Farrington as Delegate to Congress to replace Delegate Samuel R. King who had resigned to return to active duty with the Navy. Incumbent Territorial Senators W. H. "Doc" Hill and Charles Silva were reelected from the island of Hawaii.

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters and the Haleakala ranger station were respectively 76° and 43° and 70° and 40°. Rainfall at Kilauea totaled 4.39" and at Haleakala 5.40". Snow fell as low as the 11,000 foot level on Mauna Loa and Mauna Kea during a storm over the 14-15th. At Haleakala there was light fog on 14 days and heavy to dense on 5 days.

Superintendent's Special Activities

The superintendent was at headquarters throughout the month attending a luncheon meeting of the Boy Scouts Executive Board in Hilo, a luncheon in Hilo given by Chairman Spencer in honor of Delegate-elect Joseph Farrington and made one field inspection of an area recently used by the army. Selective Service Board meetings at Olaa were attended about once a week.

Cooperating Government Agencies

At Haleakala the ranger-in-charge reports that among some 500 persons (mostly military personnel) visiting the park were a larger percentage

of civilians than the month before when with the cooperation of army authorities a limited public use of the section was permitted.

Mr. Robert Blair was appointed Director of Civilian Defense on the island of Hawaii succeeding W. H. "Doc" Hill resigned. Mr. Blair had been originally appointed Director on December 8, 1941 and then replaced by Senator Hill a short time later.

Difficulty had been experienced by the Office of Civilian Defense, Price Control section in getting merchants to clearly mark and display the prices of articles for sale. A drive to insure compliance with this regulation was held during the month.

Since the departure of General Pennell some difficulty is being encountered in getting the army to inform us in advance of the desire and intent of various units to utilize sections of the park for various purposes. A conference at their request was held with some of the officers and assurances given that we would be advised and consulted beforehand. However, more often than not activities are undertaken without any advance information reaching us. We are watching this matter closely and believe it can be worked out locally.

The office of the Representative of the Military Governor, ordered on November 11, the registration, at a date to be announced later, of all women above 16 years of age. They are to furnish information to enable classification for employment purposes.

It was announced by the Administrator of the Hawaii War Savings Staff, Treasury Department, that for the five months since quotas were established the Territory of Hawaii with sales 179% of quota led all states and territories. It also was first in amount of per-capita sales.

Local papers on November 27 carried a Honolulu dispatch stating that Governor Stainback had approved increases in pay of territorial employees effective November first. The increase that is on a graduated scale affects all employees receiving less than \$2500 and is designed to offset, to some extent, the increased cost of living.

Lectures, Guide Service, etc.,

Three illustrated lectures, two outside the park, were given to a total of 200 persons. The film of the recent Mauna Loa eruption was loaned for a showing at the Pahala school to a total of 630 teachers and pupils.

The ranger-in-charge reports that at Haleakala most of the month was spent in connection with trips into the crater with Army and Navy personnel and in giving talks to similar groups at the summit.

Research and Observation

Work on type mapping the park vegetation was continued by the

Park Naturalist and over 600 plant specimens have been collected and dried to date. Progress was made in the mapping procedure.

Acting Chief Ranger Baldwin made a two weeks trip between the mountains and along the Kona and Kau shore line to obtain additional data on the status of the Hene and shore birds. He also checked on the effects of military use of these areas on the bird population. Territorial Senator Francis Brown and Mrs. Maude Greenwell of Kona were very helpful in facilitating the trip and furnishing interesting information. Mr. Baldwin's complete report will be submitted separately.

The Volcano Observatory reports a lull in seismic activity with but two perceptible earthquakes recorded. There were 45 other lesser shakes recorded at Kilauea and 56 registered on the Mauna Loa seismograph. On November 15 there were some small landslides from the north wall of Kilauea crater about a mile west of headquarters. It was necessary for the volcanologist to make one trip to Hilo to repair the seismograph there which had been giving trouble. He also spent some time in revising and rewriting at the request of the publisher a paper on the 1940 eruption prepared by former Junior Geologist P. E. Schulz.

Police Protection

At Haleakala the ranger-in-charge turned over to the army an officer who in violation of park and army regulations had driven his "jeep" some distance down the Sliding Sands trail and then was unable for some time to get it out.

The rangers at Kilauea made several trips through the Chain-of-Craters area checking on suspected illegal hunting.

Fire Protection

One fire drill called when most of the men were out on duty was held in the hotel area. Apart from the expectable difficulty of giving an alarm over the telephone the results were satisfactory. All fire equipment was checked and cleaned as needed during the month.

Forest Protection

All corral fences were inspected and cattle which had broken into the area north of Kipuka Puauu were removed. Four goats and five pigs were destroyed at Kilauea and 52 goats were disposed of at Haleakala.

Visitors

Governor Ingram Stainback and Territorial Senator Harold Rice visited the Haleakala section. At Kilauea Delegate-elect and Mrs. Joseph Farrington spent two nights at the Volcano House. Brigadier General H. D. Gibson, Commanding the Hawaii District was a visitor on the 21st. Dr. and

Mrs. James Judd of Honolulu spent about two weeks at the Volcano House. Mrs. Judd is President of the Hui-Hanu, a bird lovers society that has been active in importing numerous foreign birds into the islands. Each of these visitors was given special attention by the superintendent and Acting Chief Ranger Baldwin was assigned to conduct the Judds on several trips. ✓

Civilian guests continued to fill the Volcano House most of the month.

Miscellaneous

Island residents and park personnel were saddened by the death on successive days of Mr. O. T. Shipman, former Treasurer of the County of Hawaii, and Mr. Lou Whitehouse, Commissioner of Public Lands for the Territory. Both men had countless friends throughout the islands.

Older members of the staff noted with pleasure the appointment of Major General Millard Harmon to a high command in the southwest Pacific. General Harmon when a Colonel in the Air Corps stationed in Hawaii was a frequent and welcome visitor at Kilauea.

The U. S. Employment Service, the High School authorities and the sugar plantations have worked out an agreement whereby students over 14 years of age may be employed in the cane fields during the school term. Several hundred have responded so far. The group is known as the Victory Corps.


Edward C. Wiggate,
Superintendent

ECH/vm
c.c. - Region IV

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

December 9, 1942

MEMORANDUM for the Superintendent

SUBJECT: Activities of the Ranger Division for the month of
November, 1942.

610 Ranger Service

The scope of work accomplished in the division broadened somewhat over previous months as more time became available for work other than guard and emergency protection duties. The Acting Chief Ranger made a 13 - day trip in the interests of shore bird and nene protection. Ranger Medeiros was in charge during his absence. A fire drill was held, telephone lines were worked upon, saddles were rebuilt, the 24 - hour duty schedule was maintained, and general protection work was done. The park staff was not alerted during the month.

620 Police Protection

Ranger Medeiros was detailed to attend a Japanese farmers meeting at the 29 - mile area. The Chain of Craters area was patrolled several times for possible poachers.

630 Wildlife Protection

The results of Acting Chief Ranger Baldwin's trip to Humuula, Keauhou 2, and to various shore bird ponds along the leeward side of the island are reported upon separately.

650 Building Fire Protection

One fire drill was called by the Superintendent. The results were fairly satisfactory, but several minutes were lost at the switchboard and due to confusion from interference over the telephone. It was decided to ask the park women not to

report until after the men seemed to have finished.

Fire equipment was checked and cleaned.

Information was gathered as to the location of electric switches and water lines at all park residences for use in fire fighting.

660 Forest protection

Corral fences were inspected, and cattle were removed from Fire Kipuka.

Four goats and five pigs were destroyed. ✓

The Kau telephone line was cleared of branches, and the Hilo entrance line repaired.

900 Miscellaneous

Equipment maintenance

Firearms were cleaned. Saddles were rebuilt, and the saddle room was cleaned and all equipment inspected.

Interpretation

Dr. and Mrs. Judd were driven over the Mauna Loa truck trail. ✓
Mrs. Judd was President of the Hui Manu and has been responsible in part for the introduction of many exotic birds to the islands. She was shown our common native birds and made their acquaintance, apparently, for the first time. An effort was made to stimulate in her an interest in the native species.

Paul H. Baldwin

Paul H. Baldwin,
Acting Chief Ranger

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

December 2, 1942

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the month of November, 1942

November

- 1 - Hawaii Rifles - drilling. Weekly consolidated reports of gasoline at Hirano store; Hongo store, Okano, and Volcano House. Also detailed on special duty at park office.
- Nov. 2 Trimmed tree tops along Kau Highway telephone line - disconnected telephone wires from quarters #20, and installed one knife switch at park office cable box for use in connecting the line to air raid shelter - #11. Also relieved the 24 hr. duty man for lunch.
- " 3rd On 24 hr. duty and took over the switchboard during lunch hour.
- " 4th Transferred tables and benches from CCC warehouse to park woodshed. This was a whole days work.
- " 5th Looked for telephone switchbox connections between Fagerlunds and Hainas residences, and prepared line connections from line #10 to #8. - Also tested the cable line connection leading to the Observatory building.
- " 6th Spent three hours in making connections from line #10 to #8 - and also checked on cable connection with army boys at Observatory building.
- " 7th Returned three Army and three Volcano House horses from Ohaikea area, and inspected the fence line in the park horse corall area.
- " 8th 24 hr. duty - and Hawaii Rifle drill. Continued on weekly consolidated reports of gasoline.
- " 9th Checked on telephone short between KMC and Kau Entrance, and between KMC and park Headquarters.
- " 10th Day off.
- " 11th Spent some time painting a portable telephone box at park carpenter shop, inspected the fire truck and relieved the 24 hr. duty man during his lunch hour.

- Nov. 12th I made a lid for the portable telephone box - office duty, and 24 hr. duty - from 6:00 p.m. to 6:00 p.m. November 13th.
- " 14th Attended Hawaii Rifles, and helped Mr. Fagerlund move the Hawaii Rifle equipment to the hot room - took the Oath with the Hawaii Rifles, Co., 29th - and took reading on consolidated reports of gasoline at Glenwood.
- " 16th Checked on electric switches and stop corks leading to quarters #17, #1, #18, #19, #20, #22, #23, #24, #25, and #13. I was on 24 hr. duty from 6:00 p.m. to 6:00 p.m. November 17th.
- " 18th Continued checking on water line valve and electric switches. Also, was on office duty and relieved the 24hr. duty man during his lunch hour.
- " 19th Off duty.
- " 20th Cleaned the fire equipment shed and checked on fire equipment - also checked on the woodshed area, and was on 24 hr. duty from 6:00 p.m. to 6:00 p.m. - November 21st.
- " 22nd Drilled with the Hawaii Rifles and took the reading on Consolidated reports of gasoline at Glenwood, Hongo store, G. Okano, and Volcano House.
- " 23rd Checked, arranged, and cleaned the park saddle room - made an inspection trip around Fire Kipuka, and checked on cattle grazing in park property. Destroyed 4 goats.
- " 24th Cleaned one automatic pistol and one springfield army rifle. Relieved the 24 hr. duty man during his breakfast and lunch hour - and was on 24 hr. duty from 6:00 pm to 6:00 pm November 25th.
- " 26th Off duty.
- " 27th Checked a short on line #10 from Makani Paio to 6000 Mauna Loa (End Truck Trail) and also checked in back of old Volcano House. The trouble was found to have been from a wire crossing over another.
- " 28th Inspected the fire car and helped foreman Waltjen with some welding work at the park shop - repaired one carpenter hammer and made plans for trailer.
- " 29th Attended Hawaii Rifles drill - took gas reading - and was on 24 hr. duty from 6:00 p.m. to 6:00 p.m. November 30th.


Thompson Kauhi,
Ranger.



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

December 2, 1942

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Daily report for the month of November 1942

- 11/1/42 Detailed on office duty, and also attended a Farmer's meeting at 29 miles.
- 11/2/42 Detailed on 24 hr. office duty.
- 11/3/42 Off duty.
- 11/4/42 Hauled material from the Volcano CCC camp to the park warehouse.
- 11/5/42 Checked on water lines and stop corks, and also checked valves around the park area - and detailed on 24 hr. office duty.
- 11/6/42 Detailed on office duty.
- 11/7/42 Detailed on office duty.
- 11/8/42 Attended a Hawaii rifles drill and patrolled along the chain of craters road.
- 11/9/42 At park shop repairing saddles.
- 11/10/42 Office duty - and repairing saddles.
- 11/11/42 Off duty a.m. - p.m. on 24 hr. night duty.
- 11/12/42 Detailed on office duty and repaired saddles.
- 11/13/42 Detailed on office duty.
- 11/14/42 Detailed on office duty.
- 11/15/42 Detailed on office duty.
- 11/16/42 Detailed on office duty at a.m. - at p.m. detailed on 24 hr. night duty.
- 11/17/42 Detailed on office duty and was acting Chief Ranger.
- 11/18/42 Off duty.
- 11/19/42 Office work - and acted Chief Ranger - also 24 hr. night duty.
- 11/20/42 Office duty.
- 11/21/42 Went on a patrol and inspection tour, covering the chain of craters road - Hilina pali road to shelter.
- 11/22/42 Office duty.
- 11/23/42 Checked on all park riding and park equipment, and cleaned the saddle room - also drove cattle out of park property at Kipuka Ohaina. Four goats were destroyed.
- 11/24/42 On 24 hr. night duty.
- 11/25/42 Off duty.
- 11/26/42 On office duty and repaired a saddle.

- 11/27/42 Checked on telephone line #10 from Headquarters to the end of the truck trail.
- 11/28/42 Repaired a saddle and cleaned the carpenter shop - also 24 hr. night duty.
- 11/29/42 Office duty, and worked on Hawaii Rifles equipment.
- 11/30/42 On sick leave.

Antonio B. Medeiros

A. B. Medeiros,
Ranger

Wailuku Maui
Dec. 28, 1942.

Memorandum to Acting Chief Ranger Paul H. Baldwin:

Enclosed is the last page of my Sept. monthly narrative report as requested in your letter of Nov. 3.

While copying this report it occurred to me that the report must have reached your office because the Superintendent referred to the accident of Joseph Rodriguez which was briefly described on the last page of the Sept. report. This letter to me by the Superintendent was dated Oct. 17.

Frank A. Hjort
Ranger in Charge



This is a copy of the report written on Dec. 7, 1942.

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

Wailuku Maui
Dec. 22, 1942

Memorandum to Superintendent Edward G. Wingate through office of Acting Chief Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of November is respectfully submitted;

000 General 010 Introduction

Most of the month was spent in connection with Army and Navy trips and in the conducting of talks on the summit to these men visiting the Park in large numbers. Some road work was necessary due to the frosts loosening rocks on the sides of the road cuts.

020 General Weather conditions 021 In the Park

Haleakala Ranger Station:

Max. Temp.	70 degrees on the 8th, 9th, or 10th.
Min. Temp/	40 degrees on the 28th.
Rainfall Total	5.40 inches on 10 different days.
Clear days	17
Partly Cloudy days	5
Cloudy Days	8
Fog present	19 different days

Haleakala Summit:

Rainfall Total 510 inches.

500 Use of Park facilities by the public 510 Increase or decrease in travel

Approximately five hundred persons visited the park this month. Among these (mostly Military personnel) were a larger percentage of civilians than last month.

530 Visitors

Governor Ingram M. Stainback visited the Park on the 7th. He was taken to the summit by Mr. and Mrs. Harold Rice. Mr. Rice is a senator in the Territorial Senate.

600 Protection 610 Police protection

1st. Lt. William H. Gamble was caught with his Jeep trying to get out of the Crater and turned over to the commanding General for punishment. The Lt. had gone down Sliding Sands trail about half mile and got stuck trying to come out.

640 Destruction of Predatory Animals

52 goats were killed this month.

Frank A. Hjort Ranger in Charge

Frank A. Hjort

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

December 8, 1942

MEMORANDUM to the Superintendent:

SUBJECT: Report of Hawaiian Volcano Observatory for November

All Hawaiian Volcanoes remained quiet during November, and but two perceptible earthquakes occurred during the month. 45 small seismic disturbances were recorded at Kilauea while 56-registered on the Mauna Loa seismograph.

On November 15 there were some small landslides from the north rim of Kilauea crater in front of Kilauea Military Camp.

Several of the cracks immediately adjacent to the rim of Halemaumau opened during the month while the cracks farther back from the rim and those along the chain of craters road showed no movement.

Strong wind on November 13 raised conspicuous dust clouds on the southwestern floor of Kilauea crater and in the Kau Desert although the material of the clouds - ash from the explosive eruption of 1924 - was deposited over 18 years ago.

There was a slight accumulation of northerly tilt for the month.

The following table shows some of the data obtained during the month:

Week ended	Tilt	Seismic disturbances	Seismicity
Nov. 8	Mod. NW	7	2.75
15	" NNE	8	2.00
22	Slight SE	11	2.75
29	Very " S	19	6.25

Work of R. H. Finch

Routine measuring of seismograms and duties incident to the war took a large part of each day. A paper by P. E. Schulz dealing with some special features of the 1940 eruption of Mauna Loa was revised and rewritten. It had been submitted earlier and a revision requested by a prospective publisher. One trip to Hilo was made on account of seismograph trouble.

Work of Peter Malo.

A large portion of each day was taken up in the routine care of the seismographs. He did most of the shop work in repairing a seismograph drum and in making devices to improve the driving mechanism of two seismographs.

R. H. Finch
R. H. Finch,
Volcanologist

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

October 1942

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.

File

November 24, 1942

MEMORANDUM for the Director:

There follows the report of activities in Hawaii National Park during October:

Introduction

Major General Ralph McF. Pennell relinquished his command on the island of Hawaii late in the month, leaving with his staff for another post. He was replaced by Brigadier General H. D. Gibson. It was with genuine regret that we said goodbye to General Pennell whose administration had been of the highest order and for whom the people of this island had formed a real affection. Leaving with General Pennell were Brigadier Generals R. F. Kernan, and Ogden Ross who were also highly regarded and left many friends here as did others of the staff.

Governor Ingram M. Stainback was an overnight visitor early in the month when he made a three day visit to this island. This is believed to be the longest visit paid this island by a governor in nine or ten years.

Because of the very small staff now on duty here, routine work goes very slowly. Delays are also necessitated by numerous requests for assistance, to advise, and to do special jobs resulting from the emergency. The considerable number of civilian visitors, whose presence had not been contemplated before 1943, require services and attention that we are not prepared to give without laying aside other work.

General Weather Conditions

Rainfall at Kilauea totaled 8.34 inches and at the Haleakala Ranger Station 3.65 inches. At Haleakala summit 2.01 inches rainfall was recorded. Maximum and minimum temperatures at Kilauea and Haleakala were respectively 75° and 49° and 71° and 44°. Light snow was observed on Mauna Loa on the 9th following a thunder storm. Fog was

reported on 17 days during the month at Haleakala.

Superintendents Special Activities

With the exception of a three day trip around the island of Hawaii on which a major work project for the army, begun while the CCC was still in existence and now being continued by the boys under army supervision, was inspected, the superintendent was at Kilauea Headquarters throughout the month. The usual weekly and special meetings of the Selective Service Local Board for Puna were attended. Acting Chief Ranger Paul Baldwin represented the superintendent at a Navy Day luncheon in Hilo.

Cooperating Government Agencies

With the approval of the military authorities the Haleakala Section was again opened to the public under certain conditions. This reopening of the park has placed an added responsibility on the ranger-in-charge and it is hoped the arrangement will work satisfactorily. A small number of civilians have already taken the opportunity to visit the crater from which they were barred for almost a year.

General Pennell concurred in a recommendation of the superintendent that additional water catchment areas be constructed at Kilauea as soon as possible and directed the Corps of Engineers to prepare plans. Road maintenance crews under the Corps of Engineers are working almost steadily repairing the concrete sections on the Hilo approach road. This road has been seriously damaged by heavy traffic.

Governor Stainback indorsed a "Speak American Campaign" which is in progress throughout the territory. On Hawaii the campaign is being sponsored by the Junior Chamber of Commerce.

Lectures, Guide Service, etc.

Three overnight trips through Haleakala crater and one day trip for groups of army personnel, were conducted by the rangers there. The ranger-in-charge conducted General Mittelsteadt, Commanding Maui District through the crater.

On Hawaii, the naturalist gave one lecture in the park to a group of 40 visitors at the hotel. He gave 6 lectures outside the park at army posts in cooperation with the U. S. O. to a total of 727 men. Four special lectures in the park were given to a total of 320 persons. Two auto caravans were conducted on which 120 persons attended.

Research and Observation

During the first few days of the month there were several small aftershocks from the swarm of Kilauea shakes in late September. Afterwards Mauna Loa earthquakes predominated. One shake was strong enough to be felt. It occurred on October 11, originated under Mauna Loa and was strong enough to dismantle both the Mauna Loa and Kilauea seismographs. There was no other volcanic activity of note.

The type rapping and concurrent ecological study was begun by the naturalist, who set up two additional rain gauges, one at Cone Peak and the other at Kamaiki.

Acting Chief Ranger Baldwin assisted by Mrs. Baldwin continued in such time as was available with his bird studies. Census counts were taken during which Nene tracks were observed in the scattering Ohia forest east and south of Kilauea about 2 miles. At the suggestion of the superintendent he gave special attention to a Mrs. R. Scott, kamaaina resident of Honolulu, who had expressed interest in our native bird studies and Service protection policies.

Ranger Service

The rangers reorganized the fire and air-raid wardens in the 29 mile area. Some new wardens were selected and the districts revised.

Four patrols, two of them overnight trips, were made by the rangers to outlying sections of the park. The goat proof fence on the park boundary was found in good repair though the fence about one of the koa preservation sites had been knocked down by soldiers on maneuvers. No cattle had entered the site and the break was repaired by the rangers. Several patrols were made along the main highway in enforcement of the new traffic regulations.

Police Protection

At Haleakala an army officer was arrested for hunting in the park. He was given a \$10.00 fine in the Provost Court.

All alien owned property in our custody was turned over to the Hilo Police who now have sufficient storage space to care for it.

Fire Protection

During the quarterly fire inspection several lengths of hose belonging to the Volcano House Co., sprung leaks when tested and had to be condemned. The operator was requested and is endeavoring to secure replacement.

One fire drill was held at 9:25 p.m. October 26. Water was played on the selected house 6 minutes after the alarm was sounded. This is an excellent showing since the alarm must now be given over the telephone. Use of sirens is restricted to air-raid alarms only. Fire hazards resulting from lack of storage space due to army occupancy of park buildings and accumulation of CDD files, and records, personal belongings of transferred employees and acquisition of equipment for the Hawaii Rifles are being gradually reduced as space becomes available.

Accidents

Two employees suffered injuries. One severely cut his fingers while working on a power drill; the other bruised foot when he fell from a horse. Both accidents were discussed at a staff meeting.

Forest Protection

At Kilauea 19 goats and 2 pigs were destroyed and at Haleakala 33 goats were disposed of.

Miscellaneous

Because of the restrictions on deep sea fishing fish have been an extremely rare food on most tables and almost impossible to get here in the park. It was therefore decided to permit some of the Hawaiians on the staff to go on shore line fishing expeditions periodically and as time permitted. Two trips were made to the Halape sea-coast that resulted in an excellent catch of 9 ulua, 200-300 shole-hole, 30 moi, 20 manini, 30 uona, and 1 anno (sullot). These were distributed equally among the personnel.

Eggs have long been scarce so a number of the staff are resorting to the purchase of dried egg powder.

All occupied buildings have been equipped with poison gas ready supplies. These and the air raid shelters and fire equipment are inspected frequently to see that they are in readiness for use.

Edward G. Wingate,
Superintendent

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

November 5, 1942

MEMORANDUM for the Superintendent

Subject: Activities of the Ranger Division during October, 1942

610 Ranger Services

In October the Ranger Division spent most of its time on civilian defense work. Accomplishments include organization of a group of air raid wardens and fire wardens in the 29-mile residential area, telephone maintenance, saddle equipment, repair work, a fire drill and quarterly fire inspection, participation in the Hawaii Rifles, and inspection of air raid shelters and poison gas remedy supplies at all residences. These have increased our readiness to meet any war time emergency. During the latter part of the month the park staff was alerted and its activities governed accordingly.

620 Police Protection

Several patrols were made to the Kau entrance to enforce the nation-wide 35 m.p.h. speed limit. A stop sign was repaired, and a directional sign to Hilo was installed near the Volcano House.

The Volcano House horses were impounded again for being found loose along the highway and in employees gardens.

Alien-owned ammunition was secured from the Police Department for official use in the park. Alien-owned firearms and cameras were turned over to the Police Department.

630 Wildlife

Bird census counts were taken. Nene tracks were noted in the sparse Ohia forest east of the Koa Oasis. The publication "Fading Trails" was reviewed. Nineteen goats and two pigs were destroyed. Two fishing trips by Hawaiian members of the staff yielded a total of 9 ulua, 200 - 300 aholehole, 30 ~~nos~~, 20 manini, 30 uoca, and 1 mullet. The second party was overtaken by a rainstorm with the result that they lost almost all their fish by spoilage. Fish were

moi
Egw

distributed to all members of the staff who desired them in an effort to relieve meat shortage and reduce living costs.

650 Building Fire Protection

The regular quarterly fire inspection was made by Ranger Medeiros and reported upon separately. A fire drill was held at 9:35 p.m., October 26. Water was played on the Fujimoto residence 6 minutes after the alarm was given.

Fire hazards were reduced in the "hot room" by orderly arrangement of goods on shelves installed during the month.

660 Forest Protection

The fence around the lower Koa plat (6-tanks) was repaired following an entry into this plot by the army, as previously reported.

Patrols were made as follows:

- Oct. 2 Halemaumau - Kipuka Nene - Ainahou, by trail
(Medeiros & Hauanio).
- Oct. 10-13 Half-way house - Pepeiau - Elemakule - Hilina
Pali - K. Nene - (Medeiros & Hauanio).
- Oct. 16 Footprints - Mauna Iki (Kauhi).
- Oct. 21-23 Ainahou - Halape (Kauhi).

680 Accidents

Two injuries were sustained by park personnel. Acting Foreman Waltjen cut his fingers severely when working at the power drill, and Laborer Malo suffered a bruised foot when his saddle turned and he fell off the horse. At a staff meeting the attention of all employees was called to these accidents and they were advised how to avoid similar occurrences in the future.

690 Public Health

The quarterly sanitary inspection was made and reported upon separately.

The difficulty of obtaining eggs has been overcome by members of the park staff who stocked up on dried egg powder. Reserve foods of this kind can insure an adequate diet for children and adults during brief or prolonged periods when regular channels of supply are closed. They are also excellent as condensed rations for evacuation.

800 Miscellaneous

Civilian Defense

Patrol guarding was resumed when the park was placed on the alert during the last week of the month. A barbed-wire fence was erected around the park pump house and reservoir.

The 29-mile area was given the protection of an air raid warden and fire warden organization made up of members of that community. The district was divided into twelve sections, each with an air raid warden and, when possible, a fire warden. Eleven air-raid wardens and five fire wardens were appointed. Mr. Horner consented to be the Area Warden, or liason man between the community and the park headquarters. In connection with the organizing work, a complete map of the roads and dwellings of the area was made.

Air raid shelters and poison gas remedy supplies were inspected at all buildings in the park.

The Hawaii Rifles drill programs were participated in by all the Rangers.

Inquiries were made of Mr. John Smith of the Office of Civilian Defense concerning the number of people expecting to evacuate to the 29-mile area.

Equipment Maintenance

Two riding saddles returned by the army were repaired and renovated. Other saddles, bridles, and harnesses were likewise repaired. The army returned two park saddles from Hilina Pali and also three CCC horses. The corral fence was repaired and a gate installed to the upper paddock.

Telephone work includes the following items in addition to those mentioned in Ranger Kauhi's report:

Installation of induction coil and new batteries at the park switchboard.

Tracing out of switchboard and cable terminal wiring arrangements and working out a plugging-in system for night communication.

Disconnecting of phones in several vacated houses to relieve the load on the lines.

The park siren and the FCC siren are now being sounded each evening at blackout time for testing purposes.

Interpretation

Mrs. R. Scott of Honolulu and her sister Miss Kelly were taken up the Mauna Loa truck trail to see the birdlife of the Koa forest.

The Navy Day Luncheon at the Yacht Club was attended. The new Commanding General was present and expressed thanks at our invitation for him to visit the park and call on us for anything we could do.

Personnel

Park Guard Peter Rapoza was taken to the Provost Court for reprimand for repeated failure to report to work on schedule.

Paul H. Baldwin
Paul H. Baldwin,
Acting Chief Ranger

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

November 3, 1942

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of October

The following items were accomplished during the month. Some time was spent on telephone line maintenance, checking on cable and jack line connections, and helping Chief Ranger Baldwin install a line and telephone to the Finche's residence. Glass insulators were replaced on telephone pole along the Kau entrance highway. Knife switches were installed at the park pump, warehouse, and casualty station. These are used in disconnecting the telephone when not in use. Jack and cable line connections were tested for burned out fuses caused by lightning. One stop sign was repaired and replaced at the entrance to the Volcano House.

A trip was made to Hilo on October 10, and one telescope transferred to Major Bradley, and outgoing airmail was posted. A trip was made to Mauna Iki on October 16, at which time an inspection was made of the footprints in the show case, and various other objects in that area.

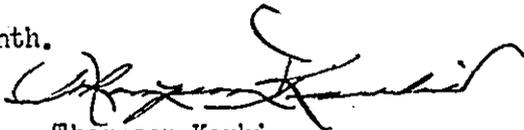
On October 20 three horses and one mule were shod at the park corral. Also attended a staff meeting at park headquarters. On October 21 to 23, a trip was made to Halape with two park laborers. An inspection was made of that area, and then some fishing done. We returned on Friday at 10:00 p.m.

I accompanied Chief Ranger Baldwin on October 28 to Hilina Pali where we inspected on erosion control work. Check-Dams were in fair condition, with a few broken places found. We also inquired at the army post about the lost telescope.

Switchboard, flag, and 24 hr. duty was performed, and Hawaii Rifle drills attended.

Wildlife protection

4 goats were killed during the month.


Thompson Kauhi,
Ranger

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

October 31, 1942

MEMORANDUM to the Superintendent
Through the Chief Ranger

Subject: Daily report for Month of October 1942

Oct. 1942

1 - 42	Detailed on office duty.
2 - 42	Detailed on office duty. <i>Patrolled Halawaianan - Nene - Ainaloa</i>
3 - 42	Off duty.
4 - 42	Attended Hawaii rifles and detailed on 24 hr. night duty
5 - 42	Detailed on office duty.
6 - 42	At park shop repairing riding equipment
7 - 42	Cleaning quarters #8 to move in.
8 - 42	Detailed on 24 hrs. office duty.
9 - 42	Detailed on office duty.
10 - 42	
to	
13 - 42	Patrolling and inspection tour, from the halfway house, covering NW boundary section, thence south to Pepeiau. From Pepeiau covering Kukalauula, Elemakule, Kalue and Kakiwai. Kakiwai to Hilina, Nene - Kau desert, Uwekahuna to park horse corral. I was accompanied by park warden Hauanio. During this tour 13 goats were destroyed.
13 - 42 p.m.	Detailed on 24 hr. night duty.
14 - 42	Detailed on office duty.
15 - 42	Detailed on office duty and working on saddle room.
16 - 42	Off duty.
17 - 42	Detailed on 24 hrs. night duty.
18 - 42	Detailed on office duty and also attended Hawaii Rifles drill.
19 - 42	Detailed on fire and sanitation inspection.
20 - 42	Detailed on fire and sanitation inspection.
21 - 42	At office writing reports. Also, at park shop repairing saddle.
22 - 42	Detailed on office duty at A.M. and P.M. on 24 hrs. night duty.
23 - 42	Detailed on office duty.
24 - 42	Off duty.
25 - 42	Attended Hawaii Rifles drill and also attended an air raid warden's meeting at 29 miles.

- 26 - 42 Testing a 2½" fire hose at the old Volcano House pump house - recharging a fire extinguisher and moving household equipment from former Christ cottage to park warehouse.
- 27 - 42 At park office building shelves in hot room, and also detailed on 24 hrs. night duty.
- 28 - 42 Detailed on office duty.
- 29 - 42 Checking fence line and driving cattle out of park horse corral.
- 30 - 42 Check, and supply unsupplied residences with bomb fighting equipment, first aid instructions, and also on traffic work.
- 31 - 42 Detailed on alert around park area.

A. B. Medeiros

A. B. Medeiros
Ranger

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

Wailuku Maui
Oct. 31, 1942

*Received
Nov. 3, 1942
PAB.
Report incomplete?
2 pp. received*

Memorandum to Superintendent Edward G. Wingate through the office of Acting Chief Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of October is respectfully submitted;

000 General 010 Introduction

Several light but effective "Kona" rains have almost completely relieved the water situation on this Island and have helped the truck farmers as well.

020 General weather conditions 021 In the Park

Haleakala Ranger Station:

Max. temp.	71 degrees on the 17th.
Min. temp.	44 degrees on several different days.
Rainfall total	3.65 inches on 10 different days.
Clear days	13
Partly Cloudy Days	14
Cloudy Days	4
Fog present	17 different days

Haleakala Summit:

Rainfall total 2.01 inches.

100 Administration 150 Equipment and supplies

Four mules were turned over to the Park this month by the Quartermaster Corps of the U. S. Army. These mules formerly belonged to the C.C.C. The Army at present has no use for these animals and was glad to find a place where they would be properly cared for.

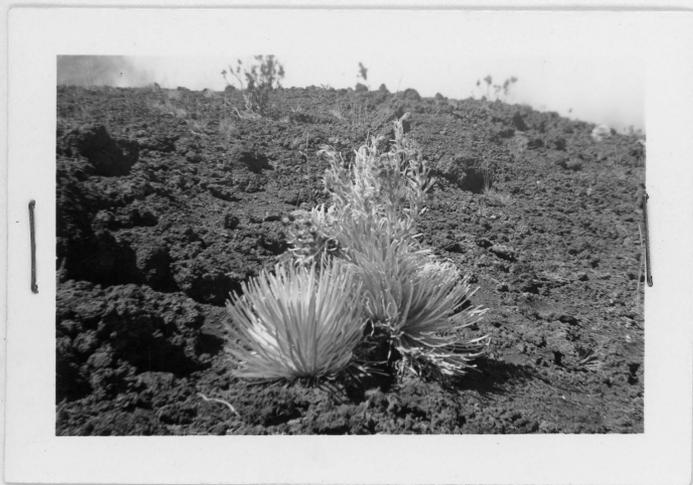
400 Flora, fauna and natural phenomena 410 Ranger and guide service

Commanding General of the Maui District Brigadier General Richard E. Mittelsteadt was conducted through the park on a horseback trip to Paliku cabin. After lunch at that cabin the party was met by Dwight Baldwin, manager of Kaupo Ranch. From there Mr Baldwin took over and escorted the General's party to Kaupo Village to spend the night. The following day the party was taken by Robert von Tempsky of Ulapalakula Ranch from Kaupo through Waiopai and Kanaio to Ulapalakula.

Three overnight trips through the crater for members of the armed services were made by the rangers here. One group of about seventy-five soldiers was conducted down Sliding Sands Trail to the Bottomless Pit and out Halemau-u trail one day this month.

490 Miscellaneous

Attached below are three snaps of the freak silversword blossom mentioned in last months report.



500 Use of the Park facilities by the public.

Approximately six hundred persons visited the Park this month. Most of these were military personnel but a few civilians were among this number.

Civilians may enter the Park here under the following circumstances; They must be known by the Ranger in Charge. Notice of their coming must be given the Army sentry by the Ranger in Charge. No Japanese may enter even if they are citizens. The Park personnel is responsible for any such persons actions while they are in the Park.

600 Protection Police protection

First Lieutenant Louis M. Pierovich was arrested on the 11th for shooting in the Park and was fined ten dollars in the Provost Court.

640 Destruction of predatory animals

Thirty-three goats were killed in the Park this month.

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

November 6, 1942

MEMORANDUM for the Superintendent

Subject: Report of the Hawaiian Volcano Observatory for October

During the first few days of the month there were several small aftershocks from the swarm of Kilauea shakes of September 27. Afterwards Mauna Loa shakes predominated. The one felt earthquake that occurred at 12:43 p.m. on October 11 originated on Mauna Loa. It was strong enough to dismantle both the Mauna Loa and Kilauea seismographs.

Tilting of the ground was slight and rather uniform to the northeast throughout the month.

The following table shows some of the data obtained during the month:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
Oct. 4	Mod. NE	38	13.00
11	Slight NNE	24	8.50
18	Very " SE	12	3.25
25	" ENE	3	0.75
Nov. 1	" ENE	7	2.00

Work of R. H. Finch

The Volcano Letter for April-June 1942 which had been held up to secure a map and photographs was completed and sent to the printer. Two trips were made to Hilo on account of clock and seismograph trouble. Daily measurement of seismograms, computing and plotting of tilt and seismicity occupied a large portion of each day.

Work of Peter Malo

The routine care of seismographs took up a large portion of each day. Some shop work and janitor service in a part of the Observatory-Naturalist Building were among the principal items of miscellaneous work.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORT

September 1942

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

copy

October 17, 1942

MEMORANDUM for the Director:

There follows the report of activities in Hawaii National Park during September:

Introduction

With the exception of a swarm of earthquakes of Kilauea origin late in the month, no events of special interest or importance occurred. The earthquakes caused several rock slides from the walls of Halemaumau, one from the southwest wall of Kilauea, and were indicative of uneasiness of Kilauea. Many of the earthquakes were felt in varying degrees of intensity but none were strong enough to cause any damage.

General Weather Conditions

Rainfall at Kilauea totaled 5.15 inches and at the Haleakala ranger station 4.61 inches of which 3.78 inches fell between the 13th and 16th. Maximum and minimum temperatures at Kilauea and Haleakala ranger station were respectively 77° and 50° and 72° and 41°. Fog, generally heavy, was reported on 14 days at Haleakala and light fog on one day at Kilauea.

Superintendent's Special Activities

The superintendent left by plane for Honolulu on the 4th where he was called for a conference with Governor Stainback and returned on the 16th by way of Maui where 4 days were spent on an inspection of the Haleakala section. The superintendent had not been in Honolulu or on Maui since the start of the war and despite many inconveniences, the trip was very interesting and besides the renewal of a number of official contacts afforded the opportunity for a brief visit with Mr. Clark Lee of the Associated Press who had been on Bataan and had just then returned from the Solomon Islands. The Haleakala section was found to be in good shape and the staff there in good spirits. Ranger Hjort has been upholding the Service end in a capable and tactful manner. While there, the superintendent approved his suggestion of organizing and conducting special hiking tours for service men into the crater. He now reports that these trips have been

started with excellent attendance and general enjoyment.

The remainder of the month was spent on duty at Kilauea headquarters except for trips to attend meetings of the Selective Service Local Board.

Cooperating Government Agencies

Brigadier General R. E. Mettelstaedt relieved Brigadier General R. F. Kernan as District Commander for the island of Maui. General Kernan returned to Hawaii. His departure was much regretted by the Maui people and park staff who had found him sympathetically interested in park work and problems.

Colonel Walter Dunham, Secretary to the governors of Hawaii for the past 18 years submitted his resignation which was accepted by Governor Stainback.

Famed Coconut Island in Hilo Bay was turned over to the U.S.O. by the County Board of Supervisors as a recreation area for service men. The Board also responded to public demand and tore down a Shinto Shrine that had been located on public property in Liliuokalani Park for a number of years.

With the cooperation of local army authorities a surprise air raid and gas attack drill was held under park direction in the park and adjacent 29-mile area. The test was most beneficial and minor defects observed are being corrected.

Territorial Senator Sanji Abe of the island of Hawaii was taken into custody early in the month by army authorities it was announced in the press. County Supervisor Frank Ishii who had been detained for several months by the army and then released announced he would seek reelection. The primary election is on October 4.

There has been agitation in the press for a general increase in pay for territorial and county employees to offset the considerably increased cost of living. A number of candidates for public office have announced their support of such an increase and the special legislative hold-over committee recommended favorably on the proposal to the governor.

Lectures, Guide Service, etc.

Civilian use of the park and the hotel continued, and several talks illustrated with moving pictures were given by the naturalist. Hiking and horseback riding are popular in the sections that are open to the public.

Research and Observation

The recent lava flow from Mauna Loa still retains considerable

heat and where it runs through the forest smoke and steam are visible, particularly in the early mornings and following rainy weather.

Mr. Gordon Macdonald, Associate Geologist of the Geological Survey who has been engaged on ground water studies on this island made an expedition to the summit of Mauna Kea to study the possibility of utilizing Lake Waiau as a source for an additional supply. The lake was found to be only 10 feet deep at its deepest point, held less than 2,000,000 gallons of water, its maximum capacity was only 3,400,000 gallons and the amount of water probably obtainable in a year would average not over 5,000,000 gallons. The lake water in addition to being insufficient as a source of supply was found to be unsuited for domestic consumption because of the presence of abundant microorganisms that rendered the water brownish green and distinctly turbid. We are gratified that this report was finally made as it should prevent the proposed unsound and unwarranted intrusion of this scenic wilderness.

Mr. Fagerlund continued in as much time as was available the studies he recently commenced of the park vegetation. In this important study he is assisted by the conscientious objector assigned here who also was delegated to take the soundings at Lake Waiau. Several plant collecting field trips were made and type mapping will be commenced shortly.

Ranger Hjort reported finding a freak silver sword plant at Haleakala that had sent out several distinct flowering branches from the usual single stalk.

Bird research was continued on a small scale with continuation of census counts. These counts, Ranger Baldwin reports, that now cover a period of 2½ years are yielding significant results.

Except for the swarm of Kilauea earthquakes late in the month the Hawaiian volcanoes were quiet. Air photographs recently inspected revealed what appeared to be a hitherto undiscovered eruption source fissure concentric to and about a mile SW of Kilauea. Mr. Finch made a field investigation that confirmed the photographic evidence. Lava flows there lay beneath the 1790 ash deposits.

Ranger Service

It was twice necessary for the rangers to break up gambling games by soldiers in the lobby of the Volcano House. On one day two cars were stolen from in front of the hotel. The investigation was turned over to the army.

The park speed limit was changed to 35 m.p.h. and the roads posted.

Time permitted the rangers to make more frequent patrols of the outlying areas. Fire prevention posters were received and placed at various points within the park. The rangers and other staff members continued participating in the Hawaii Rifles training. Fifty-five goats, 11 pigs and one wild dog were destroyed in the Kilauea and Haleakala sections.

Sanitation

Despite numerous requests for improvement the operator of the Volcano House continues to permit unsightly trash and other refuse to accumulate on the premises about the hotel. It was necessary to order him to purchase new garbage containers as the ones in use were without covers.

Miscellaneous

The Territorial Dentists Association held its annual convention at the Volcano House on the 26th and 27th.

A shortage of labor and a crop that ripened all at once caused the Army that had contracted for the Kona coffee crop to make an appeal in the press for upwards of 500 laborers. High Schools that had just opened were asked to release volunteers for this work and the schools in Kona extended the vacation period so the children could assist.

The Hilo High School established a branch at Oloa, for the convenience of pupils in the Puna district. This brings the school 11 miles nearer the park.

Edward G. Wingate,
Superintendent

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

October 3, 1942

MEMORANDUM for the Superintendent

SUBJECT: Monthly report on Ranger Division activities for
September, 1942

610 Ranger Service

The time of the Ranger Division was divided between civilian protection work, equipment maintenance, forest protection, police work, and public health work this month. More time was spent patrolling in the field than in previous months, but civilian protection work has kept the Rangers closer to the headquarters area than would be the case in normal times.

620 Police Protection

35 m.p.h. signs were placed at the Hilo entrance and at the Kau entrance on the Mamalahoa highway.

Owing to two cars from the Volcano House being stolen on one Saturday afternoon, more frequent checks are being made on cars of visitors to see that keys are not left in the car.

During the early part of the month it was necessary to break up card games for money in the Volcano House main lobby being played by soldiers.

630 Wildlife

Bird research was continued on a small scale with continuation of census counts. The census data is now continuous over a period of 2½ years and is yielding significant results.

Goat and pig control were carried on, with 23 goats and 6 pigs killed. On September 29, Ranger Medeiros led a party of six soldiers to Kipuka Maunaiu, where 2 goats were destroyed.

640 Forest Fire Protection

Fire prevention posters were posted at various fire danger

points throughout the park.

660 Tree preservation

Fencing of the two large koa plots and three small akaia patches was completed during the month by the maintenance crew under supervision of the Acting Chief Ranger.

690 Public Health and Civilian Defense

One inspection of the Volcano House kitchen and utility areas was made, as reported upon verbally to the Acting Superintendent. Conditions were still unimproved in general over those described in previous reports. A particularly offensive sight was a high pile of dry trash at the west visitors entrance to the hotel. Another practice which has continued all month was the piling of crates of empty pop and beer bottles on the front porch by the main entrance. Such practices do not reflect credit either on the operator or on the National Park Service.

On September 11, Captain Smith held a second hour of first aid instruction for the park employees. The meeting was well attended and all profited.

On September 26, a practice air raid alarm was sounded in the park and 29-mile areas, as reported upon separately.

Participation by members of the Ranger Division in the Hawaii Rifles program was continued. Park guards were active in maintaining our guard and alarm systems.

800 Miscellaneous

Equipment maintenance work included considerable work on the park riding saddles, cleaning of firearms, and telephone repair work. Help was given the maintenance division to insure maximum collection of water from the rains which have fallen this month.

Paul H. Baldwin

Paul H. Baldwin
Acting Chief Ranger

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

October 1, 1942

MEMORANDUM to the Superintendent - Through the Acting Chief Ranger

SUBJECT: Daily Report for the Month of September 1942

September 1942

- 1/42 Off duty.
- 2/42 At paint shop painting signs, also detailed on 24 hrs. office duty.
- 3/42 Detailed on office duty.
- 4/42 Posting fire prevention posters covering Mamalahoa highway, Hilo to Kau entrance.
- 5/42 Patrolling and posting fire prevention posters covering Hilina pali road to Hilina shelter.
- 6/42 Attended Hawaii Rifles and also detailed on 24 hrs. office duty.
- 7/42 Detailed on office duty.
- 8/42 Patrolling and posting fire prevention posters covering chain of craters road to Makaopuhi.
- 9/42 Off duty.
- 10/42 Detailed on office duty.
- 11/42 Detailed on office duty, and also attended first aid demonstrations.
- 12/42 Repairing fence line around garden section near Volcano House horse stables, and also made a trip to Kipuka ki to show army men some fence posts.
- 13/42 Attended Hawaii Rifles and office duty.
- 14/42 Patrolling, covering chain of craters and Ainahou road by car, thence took hike through forest inside of park - Ainahou boundry lines coming out at Alealea crater. Two fire prevention posters were posted along Ainahou road. Also detailed on 24 hrs. office duty.
- 15/42 Detailed on office duty.
- 16/42 Checking Volcano House horse corral fence line and building saddles racks at Carpenter shop.
- 17/42 Working around park horse stable and repairing riding equipment at park shop.
- 18/42 At park shop repairing riding equipment and also detailed on 24 hrs. office duty.
- 19/42 Detailed on office duty.
- 20/42 Off duty.

September 1942 (cont)

- 21/42 At park shop repairing riding equipment.
- 22/42 Detailed on 24 hrs. office duty.
- 23/42 Detailed on office duty.
- 24/42 At park shop repairing riding equipment.
- 25/42 Patrol and inspection tour covering chain of craters road
Kalapana trail to gate, along fence line to Napau crater,
thence to Makaopuhi.
- 26/42 Detailed on 24 hrs. office duty - and also attended air
raid drill.
- 27/42 Detailed on office duty.
- 28/42 At park shop repairing riding equipment.
- 29/42 Patrol and goat control - covering 6 tanks, Kainalio, Maunaiu,
and Ohikea sections.
- 30/42 Office duty and at park shop repairing riding equipment.

For month of September, 1942

Goats destroyed - 23
Pigs " - 6

A. B. Medeiros
A. B. Medeiros,
Ranger

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

October 3, 1942.

MEMORANDUM FOR THE SUPERINTENDENT THRU THE CHIEF RANGER

SUBJECT: Report for the Month of September, 1942.

Forest protection

One inspection trip was made around Puhimau, Alealea and Pauahi crater trail. Trail leading around Puhimau is in fair condition, because of fallen hapuu ferns and old trees would be hard for horse back riding. Trails leading around in different area is in good condition, except of few places where the earth was turned over by wild pigs. Another trip was made thru the Kipuka Ki section following along the fence line crossing over thru Fire Kipuka and thru across over Six Tanks and back around the lower section of Kipuka Ki, no goats were seen, trip was ended just above the Old Horse corall.

Due to the fact of bad weather our communication in the residential area was short on two telephones, one at Milnes and the other at Hauanio Jr. The faults on bothphones were from loose connections of wires.

Another trip was made to Hilo for first aid equipments, also went to the Inter Island wharf to pick up freight that arrived here from Honolulu.

An alert call was received by Commanding Officer Fagerlund of the Hawaii Rifles from Army Officials which later was announced to all members at 29 mile and Keahhu ranch.

A check on stored rifles was made and one 22 short rifle was kept out for the purpose of using it against ~~small~~ game and target pratice. Three winchester rifle were cleaned and oiled before returning for storage.

Have installed two traffic signs at Hilo and Kau entrance.

Turned out for pratice with Hawaii Rifles and also continued on 24 hour duty.

An air raid and gas alarm pratice were held on September 26, 1942.


Thompson K. Keahi,
Park Ranger.

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

*Received.
Oct. 5
A.H.B.*

Wailuku Maui
Oct 2, 1942

Memorandum to Superintendent Edward G. Wingate through the office of acting Chief Ranger Paul H. Baldwin:

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

000 General 010

Commanding General of the Maui District Brigadier General F. Kernan left this island this month and was replaced by Brigadier General Richard E. Mittelstaedt. Brig. Gen. Kernan's leaving was regretted by the staff of this section of the Park as he was very interested in the Park and its problems.

Captain Eon Lucas of the Air Warning Service Unit located here on Haleakala left and was replaced by 1st. Lieutenant Leo Skinner. Capt Lucas was very helpful in handling problems that continually come up in connection with Park usage etc. Many improvements were carried out during his stay and practically all game violation by soldiers from his unit were brought to a halt by the Captain's efficient check on ammunition issued to his men.

020 General weather conditions

Haleakala Ranger Station:

Max. temp.	72 deg. on the 10th.
Min. "	41 " " " 19th.
Rainfall-total	4.61 inches on 9 different days
Clear days	15
Partly cloudy days	12
Cloudy days	3

Fog was present on 14 days of the month.

Haleakala Summit

Rainfall-total 4.35 inches.

All water shortage problems both here and at the army camp were "rained out".

023 In nearby areas

Rain fell in all of the drier sections of the island relieving a severe dry condition and greatly aiding local truck farmers and ranchmen.

100 Administration 120 Park inspections by 121 Superintendent

The Superintendent visited this section of the Park on the 14th of the month.

400 Flora, fauna and natural phenomena 410 Ranger, naturalist and guide service.

This month saw the beginning of a series of conducted trips through the Park by the rangers. One of these trips has already been made and one is planned every other week. These trips are for men of the armed services and gives ten such men a hike through the Park with an overnight stop at Kapalaoa Cabin. All arrangements for the trips are made by an Army Chaplain in Wailuku who sends the men, equipped to hit the trail, to the summit of Haleakala to meet the guiding ranger. Quite a bit of enthusiasm was shown by the first bunch and many are anxiously awaiting their turn to go.

490 Miscellaneous

A freak silversword blossom has been observed in this years crop of blossoms. This plant sent up its bloom stalk in the usual manner and then branched into several distinct blossom heads. Multiple headed silversword plants are quite common, especially those with two, three, four, and even five heads. Two plants are under observation, one with twenty-one heads, and the other with forty-odd heads. This plant, however, is the first one discovered by the undersigned having but one head and a multiple bloom stalk.

500 Use of the Park facilities by the public. 510 Increase or decrease in travel

An estimated five hundred men, all from the armed services, visited the Park this month by automobile. With the U. S. O. hard put to find recreation for such men these trips offer something different than the usual entertainment furnished and give the men a chance to have a bit of a change of climate as well. If the war situation continues to be no worse than at present here in the Islands it is expected that many more will be premitted to see the Park.

600 Protection 630 Accidents

Joseph F. Rodrigues, Park Laborer, narrowly escaped injury on the 14th when the steering apparatus suddenly became disconnected on the dump truck #793. The truck fortunately headed for the bank side of the road and after crossing the drain ditch collided with the hillside. The truck was damaged to some extent but Joe escaped without injury. This accident occurred in the vicinity of our water shed system.

640 Destruction of predatory animals

Thirty-one goats, five pigs, and one wild dog were killed in the Park this month.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

October 5, 1942

MEMORANDUM for the Superintendent:

SUBJECT: Report of the Hawaiian Volcano Observatory for September

A rainstorm about the middle of the month produced pronounced steam clouds over the lower half of the 1942 Mauna Loa lava flow. The general rise of the steam indicated that nearly all portions of the flow were still hot.

A swarm of Kilauea shakes during the last few days of the month is an indication of uneasiness of Kilauea Volcano. Several of the shakes caused landslides from the walls of Halemauau. During the spell of shaking there was a small landslide from the southwest wall of Kilauea.

There was a slight accumulation of Northwest tilt during the month.

The following table shows some of the data obtained during the month:

Week ended	Tilt	Seismic disturbances	Seismicity
Sept 6	Slight WNW	11	3.25
13	" NNE	15	6.00
20	" SE	21	6.75
27	" NW	31	13.50

Work of R. H. Finch

Routine seismological measurements occupied most of the forenoon of each day. A series of airplane photographs taken by the Army Air Corps were studied. One day was spent on a field trip to the 1916 and 1926 lava flows. A part of a day was spent investigating ancient activity along a crack concentric to and about

a mile from Kilauea crater. Lava flows here lie under the 1790 ash and on top of the older ash. A part of each day was spent at the Park office.

Work of Peter Malo

A large portion of his time was spent in the routine care of the seismographs. He is learning some of the simpler observatory routine. Several small jobs in the shop occupied a part of his afternoons.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1923)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORT

August 1942

IMPORTANT

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ARNO B. CAMMERER,
Director.

September 22, 1942

MEMORANDUM for the Director:

There follows the report of activities in Hawaii National Park during ~~July~~ *August*:

Introduction

No events of particular importance occurred here in July, but routine activities and special work arising from the emergency continued to overstrain the small staff remaining on duty. Much work is behind schedule and while effort is made to get it done within reasonable time there are simply not enough hands and heads to accomplish it. Two more employees left during the month and three others are leaving early in September. The Corps of Engineers requested the services of Acting Foreman S. Kawasaki who was furloughed August 16, and of C. Fujimoto who will leave in September. Ranger Charles Miller, papers for whose transfer to the Navy were being sent through channels, left the park on August 12 for Honolulu where he expected to be employed. The Office of Price Control requested the transfer of Chief Clerk Jas K. Higashida, and Mrs. C. Hewitt has been released to accept employment with the army in Honolulu so that she can be with her husband who has been seriously ill there. These two employees will leave early in September. No replacements for any of these employees is contemplated as there are none to be had.

Fire protection training of park and hotel employees was continued and several drills held which were very encouraging.

General Weather Conditions

Rainfall at Kilauea totaled 2.92" and at the Haleakala Ranger Station 2.5" of which 1.2" fell on the last three days of the month. The year continues to be a dry one and in eight months less than half the normal annual rainfall has been received. Maximum and minimum temperatures at Kilauea were 77 and 54 degrees and at Haleakala Ranger Station 74 and 41 degrees. At Haleakala there was fog on 13 days and high winds reported on 6 days.

Special Activities

The Superintendent was at Kilauea Headquarters throughout the

month. Four trips were made to Hilo on official business and one to attend the funeral of the minister of the Chinese Christian Church. One field inspection of areas near Kilauea was made with Major General R. H. Pennell.

General Publicity

The Governor's office in Honolulu released to the press the Superintendent's annual summarized report of park activities. It was given front page space in the Honolulu Advertiser and appeared in other island papers.

Cooperating Governmental Agencies

Work of transferring CCC equipment to the Engineers and the park was largely completed, and Chief Clerk Higashida completed his audit of the R.H.P.-1 canteen accounts on the 19th. This report and recommendations were sent Field Supervisor E. A. Pesonen on the 21st.

Territorial Senator W. H. "Doc" Hill resigned his position as Director of Civilian Defense, Island of Hawaii, on August 29, in order to comply with a ruling from Honolulu that C.C.D. employees must resign if they were to run for political office. Mr. Hill stated that he was resigning even though his services had been entirely voluntary. He graciously recommended the appointment of the Assistant Director Mr. R. Moir from whom he had taken the appointment around the middle of December. (See Dec. 1941 report). Lt. Col. William Van Antwerp was appointed Provost Marshall on the 21st, succeeding Lt. Col. H. Fitzgerald.

At Haleakala the Corps of Engineers furnished all materials needed to construct an additional water catchment dam and connecting pipe line in a stream that had been found to continue flowing several days after others had gone dry. The ranger-in-charge reports that already some 50,000 additional gallons of water have been received.

The County of Maui has ordered the same speed limit for the Haleakala approach road as that in effect in the park and has had the road posted.

The Office of the Military Governor, Honolulu issued an order requiring a complete and somewhat complicated change in the method of blacking out motor-vehicle lights. Considerable criticism of the order unfavorable and favorable has been evoked in the press and on the streets.

Lectures, Guide Service, etc.

Should there be a reasonable continuance of the civilian use of the

park it would appear desirable to arrange a limited program of guided hikes, lectures, etc. Quite surprisingly, in view of travel restrictions, and gasoline rationing, civilian use of the park (almost entirely hotel guests) that commenced again in July has continued with some increase. Thought is being given to this matter and because of the small staff we are considering enlisting one or more of the local women who are well qualified to assist. It is reported that the heat, congested living conditions, and the general strain of life in Honolulu is leading people to seek relaxation here. All of this emphasizes past failure to develop the recreational resources of the mountain areas in the islands particularly, in the vicinity of Honolulu.

Research and Observation

There was no surface activity on any of the volcanoes during the month but it was observed that the 1940 cone in Hokuaweoweo was still fuming. Fume was also observed at the 1942 source cone and there is considerable smoke visible over the lower portions of this flow, where it ran through heavy forest that is continuing to smolder.

Of 62 local seismic disturbances in August only two were felt. There were 40 additional disturbances recorded on the Mauna Loa seismograph. There was an accumulation of ground tilt to the NW in the direction of 1942 source on Mauna Loa. Since the first week in July there has been a slight westerly tilt though the normal for this season of the year is easterly.

The volcanologist held several conferences and made two field trips with Dr. G. A. Macdonald, of the Water Resource Branch, U. S. Geological Survey, who is here on work for that office. Dr. Macdonald also made a trip to the summit of Mauna Loa and brought back interesting and valuable data on the 1942 activity at the northern end of Hokuaweoweo.

The rangers report that damage to undergrowth by pigs is increasing in the wet forest area south from the Thurston Lava Tube. Some control work will probably have to be done. We should have a 'luau' anyway.

Several groups of Akala bushes (native raspberry) found by the Superintendent last spring on the lower Mauna Loa slopes have been fenced in by the park to protect them from cattle recently turned into that section. The fruit of this plant is both exceptionally large and of excellent flavor.

At Haleakala the Pacific Golden Plover was seen to have returned from the north on the 9th.

Ranger Service

Ranger Chas. Miller left the park on the 12th and submitted his resignation on . He was in line for some appointment in the Navy.

Acting Chief Ranger Baldwin and Ranger Medeiros made a trip to the

summit of Mauna Loa to inspect the shelters and equipment.

Work of the division was routine and principally connected with current defense activities including the Hawaii Rifles in which Ranger (Sg't) T. Kaubi is proving himself exceptionally capable and an excellent pistol shot. Twenty-four hour alarm duty was continued.

Forty-nine wild goats and one wild dog were destroyed at Haleakala during the month.

Legislation Affecting the Park

Territorial Senators Francis Silva and David Trask of Oahu, and Charles Silva of Hawaii visited the park and conferred with the Superintendent on ways and means to require for the park the private land in the authorized Kalapana addition. They are strenuously opposed to the scheme whereby Senator "Doc" Hill was to have received title to the Nanilca Hotel property in exchange for certain land in the Kalapana addition to which he has been attempting to secure a title. They stated that the Land Commissioner had recommended this exchange to the Governor and for that reason had refused to pass the bill in the last session which would have directed the Land Commissioner to proceed with the authorized land acquisitions.

Visitors

Mr. Frank Atherton and U.S.O. officials. Brigadier General R. F. Korman, Maui District, and Brigadier General A. E. Anderson, Kauai District. Judge Emil Peters, Territorial Supreme Court. He voiced criticism of the park's failure to keep going its regular informational program and suggested the government should provide some transportation to points of interest. He was one of the first civilian visitors to arrive and the situation was explained to him to his satisfaction.

Miscellaneous

The announcement on August 22 that Territorial Senator Joseph Farrington was going to retire because of poor health was received with regret. He and his father, former Governor Wallace Farrington, before him, had been warm and able supporters of the National Park.

Island people were shocked and distressed by the sudden death of Brigadier General Albert K. Lyman who had just been promoted to this rank a few days before. General Lyman was a member of one of this island's outstanding families, descended from one of the first missionaries to arrive here. He was part Hawaiian. Funeral services were held both in Honolulu and in Hilo where he was buried, and were attended by the highest ranking officers and civilians in the territory.

Judge Ingram H. Stainback, took the oath of office as Governor of the Territory August 25. The appointment, for no very clear reasons, was not generally well received in the islands. The Honolulu Advertiser in particular was rather critical. This office sent him its congratulations and

offered its services.

Public schools that were scheduled to open September first have had the opening set back to the 28th but, school officials have stated a full years program will be carried out.

The park staff gave a farewell dinner at the Volcano House for Mrs. C. Hewitt and the Higashidas on August 29.

Edward G. Wingate,
Superintendent

EGR/vn

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

September 9, 1942

MEMORANDUM for the Superintendent:

SUBJECT: Monthly Report of Ranger Division Activities for Aug. 1942

610 Ranger Service

Activities of the Ranger division continue to be affected by our curtailed program and personnel. During August supervision of guard work and maintenance of a 24-hour alarm system have claimed much time. Fire drills and police protection work have been continued. Forest protection work and inspection of outlying forest fire fighting installations was carried out. Rangers Baldwin and Medeiros made a trip to the summit rest house at Mauna Loa and took inventory of all park equipment and supplies there and at the 10,000 ft. rest house. Time was also devoted to maintenance of the park telephone system.

Rangers continued to give their time to Hawaii Rifles work. Drills were attended, and several shooting sessions were held at the pistol range in addition. Ranger Kauhi has shown exceptional ability in handling the pistol.

620 Police Protection

Traffic signs were posted at several places as follows:

10 miles per hour at 3 entrances to residential - utility area.

No parking signs at Volcano House Hotel entrance and at Volcano House fire hydrant.

Reserved sign near Volcano House hotel entrance.

630 Wildlife Protection

Goat and pig control were continued on a moderate scale. Pig damage is increasing in the wet forests below the Lava Tube.

640 Forest Fire Protection

Park employees using the Mauna Loa truck trail were instructed not to smoke while driving in a car, because of the fire danger due

to the fields of tall dry grass. The fence-building crew was instructed to confine smoking to short rest periods under safe conditions.

650 Building Fire Inspection

Fire drills were held on August 5, August 13, and August 25 for the park staff. In the second and third drills water was played on the fire through the fire truck in seven minutes from the time the alarm was phoned in to the office. In each case fire extinguishers were at the fire several minutes earlier.

Fire drill and instructions were given to the Volcano House staff on August 17.

For fire protection a carbon-tetra-chloride extinguisher was placed in the seismograph cellar at the Volcano House, sand was taken to Finch's residence, and firewood was removed from several garages in the park.

660 Tree preservation

The foreman of the fence-building crew was given instructions as to what areas to fence in the Ohaieka area to preserve koa reproduction from cattle suppression. Three small areas at a higher elevation were included to save Akala plants.

690 Public Health

The Volcano House kitchen and utility areas were inspected and conditions found unsatisfactory, as reported upon separately.

900 Miscellaneous

Communications. Several repairs were made on the park telephones.

Trails. A gate was cut in the park boundary fence above the Giant Koa.

Paul H. Baldwin

Paul H. Baldwin,
Acting Chief Ranger

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

August 1942

MEMORANDUM for the Superintendent

(Through the Chief Ranger)

SUBJECT: Daily report for Month of August 1942.

Aug. 1/42 Repairing telephone line at Mauna Loa section, and also cattle guard on Mauna Loa truck trail.

" 2/42 Attended Hawaii rifles, and office duty.

" 3/42 Patrolling tour along Mauna Loa truck trail to end. Also made a trip to park horse corral to pick up ranger Baldwin.

" 4&5/42 At park office - detailed on guard duty.

" 6/42 Off duty.

" 7/42 Installing a telephone line and phone on line #15 to former wood shed. Also detailed on guard duty.

" 8/42 At park office - detailed on guard duty, and made a sanitary inspection in and around the Volcano House building. During this inspection, a few places were found to be unsanitary and a special report was made and turned in to the chief ranger.

" 9/42 At park office - detailed on guard duty.

" 10/42 Inspection tour to Ohikea section of the unfinished fence around reproduction Koa trees.

" 11/42 Investigation of a fire that occurred on July 1, 1942 in the Keauhow section. Fire duty.

" 12/42 At paint shop painting signs.

" 13/42 At paint shop painting signs.

" 14/42 Off duty.

" 15/42 At paint shop, painting signs.

Aug. 16/42 Attended Hawaii Rifles - Cleaned an oil stove for Mauna
 Loa, and also detailed on guard duty.

" 17/42 At park horse corral, shoeing park horses for Mauna Loa
 trip.

" 18/42 Took park horses to 6,000 - Mauna Loa. Also, demonstra-
 tion on pack train to Army men from K.M.C.

" 19 to 21/42 Patrol and inspection tour to summit of Mauna Loa, accom-
 panied by Acting Chief Ranger, Baldwin. During this trip, one
 Nene was observed at about 7,000 elevation.

" 22/42 Patrol and inspection tour from 6,000 of Mauna Loa, covering
 Maunaio and Ohikea sections along North West and South West
 boundary lines of Kapaapala, through Kipuka Ki, to park horse
 corral.

" 23/42 Off duty.

" 24/42 At paint shop painting signs.

" 25/42 At paint shop painting signs. Also, detailed on guard duty.

" 26/42 Detailed on guard duty.

" 27/42 Installing signs on utility roads and around Volcano House
 area.

" 28/42 Office duty.

" 29/42 Detailed on guard duty and also clearing firewood and rubbish
 from utility garages and gas station.

" 30/42 Detailed on guard duty.

" 31/42 Repairing fence and making a gate on Kipuka Ki fence line.

A. B. Medeiros

A. B. Medeiros,
 Ranger

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

September 3, 1942

MEMORANDUM FOR THE SUPERINTENDENT THRU THE CHIEF RANGER

SUBJECT: Monthly report for August, 1942.

Sand buckets were placed at Casualty Station. Also placed sand buckets at Mr. Wingates, Higashida and Fagerlund. One load of sand was hauled to Mr. Finch, home.

Clothes line between former Gardner cottage and Milnes removed and placed both wire and clothes pin in warehouse.

Demonstrations on fire extinguishers were performed before the Volcano house waitress and cooks. Was also given instructions in the use of the water pump.

Check on fire equipment at Kipuka Nene and Makaopuhi fire cache.

Install one pyrene type extinguisher on air raid shelter door thirteen.

Trip to Hilo for first aid equipments was made. Also transported two spring beds two mattress and one chest to Mr. Smith of Hilo.

Check on telephone line between McDonalds and Biol Lab was investigated and found the trouble to have been from wires which the Army boys had removed from its proper place. Connections were made and found in working condition once more.

Brought horses down from end of truck trail down thru Maunaiu way. Also checked on fence line.

Hawaii rifles were transported to and from drilling every Sunday. Office and guard duty was also performed.


Thompson K. Kauhi,
Park Ranger.

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

Wailuku Maui
Sept. 2, 1942

Memorandum to Superintendent Edward G. Wingate through the office of Acting Chief Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of August is respectfully submitted.

000 General

Water shortage at the Army camp still exists. A small dam was built on a stream found to run several days after the Army's regular drainage was dry. The Park staff built the dam and installed the pipe. The U.S.E.D. furnished the necessary equipment. This new dam has already paid dividends as approximately fifty thousand extra gallons of water have been added to the Army tank by it.

020 General Weather Conditions

There were 23 clear and 8 partly cloudy days this month at the Ranger Station. The maximum was 74 degrees, occurring on the 19th and 20th. Minimum for the month was 41 degrees occurring on the 1st and 3rd. Total rainfall was 2.50 inches.

At the summit total rainfall was 2.64 inches.

200 Maintenance, Improvements and New Construction 240 Improvements of approaches to the park.

Two new highway speed limit signs have been added to the road from the park to the Kula road. The signs are so situated that anyone entering this road from the Kula road or leaving the park is well aware of the fact that the speed limit is 30 miles per hour. This completes movements by Maui County in this respect as they now have the law and signs both to make their speed limit coincide with that of the park for the entire mountain road.

260 Landscape work

The turn-around in front of the ranger station garage was completed this month. The surface is covered with sod and dirt hauled in for that purpose.

Received
Sept 2
348

400 Flora, fauna, and natural phenomena 460 Birds

The plovers were first seen after returning from their northernth breeding grounds on the 9th.

500 Use of the park facilities by the public 530 Visitors

Brigadier General Redmond F. Kernan, commanding Maui district, and two other army officers were escorted thru the crater and down to Kaupo Village. The party left the Ranger Station on the afternoon of the 9th, stayed at Kapalaoa Cabin that night and proceeded on to Kaupo the next morning. Ranger Hjort took the party thru. The General was very much impressed by the attractions of the park.

600 Protection 610 Police protection

Marcus S. Blodgett, who on the 31st of July was picked up for speeding, was turned over to his Captain for punishment. The Captain made him buy a \$25 defence bond and reprimanded him severely.

640 Destruction of predatory animals

Forty-nine goats were killed this month. One wild dog was shot.

900 Miscellaneous

Former Ranger in Charge Howard A. Powers has been promoted to the rank of Captain in the U. S. Army. Capt. Powers is attached to the Quartermaster Corps and is at present Food Administrator for Maui.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

September 10, 1942

MEMORANDUM for the Superintendent:

Subject: Report of the Hawaiian Volcano Observatory for August

The 1940 cone in Mokuaweoweo is still fuming. Fume was discernible at the source cone of the 1942 flank eruption of Mauna Loa.

Only two perceptible shakes occurred during the month though a total of 62 local seismic disturbances were recorded. In addition, 40 local disturbances were recorded on the Mauna Loa seismograph.

There was an accumulation of NNW tilt for the month. Since the first week in July there has been a slight westerly tilt though the normal for this season of the year is to the east.

Some of the data obtained during the month is shown in the following table:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
2	Slight NW	22	5.50
9	" SSE	15	3.75
16	" WNW	11	3.50
23	Mod	4	1.00
30	Very slight ESE	10	3.50

Work of R. H. Finch

Seismological routine took up a large portion of each day. Attention to the seismographs and duties incident to the war took up a small portion of each day. Several conferences and two field trips were had with Dr. G. A. Macdonald of the U.S. Geological Survey. A copy of Dr. Macdonald's map showing the lava flow at the summit of Mauna Loa in 1942 was made.

Work of Peter Malo.

A large portion of his time was taken in routine care of seismographs. Some time was spent on seismograph parts. Several pulleys for use in auxiliary drives for chronographs were made.

R. H. Finch

R. H. Finch,
Volcanologist

Director

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

September 10, 1942

MEMORANDUM FOR THE DIRECTOR:

The Park Naturalist's monthly report for August 1942 is attached.

Edward G. Wingate,
Superintendent,

By: *Gunnar O. Fagerlund*
Gunnar O. Fagerlund
Asst. Park Naturalist.

NATURALIST'S MONTHLY REPORT
August 1942

000 - General

Arthur L. Mitchel, conscientious objector, arrived in the Park August 1 and was assigned to work with the Park Naturalist. Mitchel has a B. S. degree in forestry from Michigan State College.

The Naturalist's office was moved for the third time this year. One of the ^{previously} vacated Park houses is now occupied and for the first time there is ample room to work.

About one third of the Park Naturalist's time was devoted guard duty and other activities incidental to the war.

430 - Research and Observation.

A plan for mapping the park vegetation was completed. Excursions were made into several areas to collect plants and considerable time was spent on various problems connected with field mapping.

on Files

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

September 10, 1942

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Edward G. Wingate,
Superintendent,

By: *Gunnar O. Fagerlund*
Gunnar O. Fagerlund
Asst. Park Naturalist.

NATURALIST'S MONTHLY REPORT
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10-23
(May 1923)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

----- NATIONAL PARK

FILE NO.

MONTHLY REPORT

JULY 1942

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

August 20, 1942

MEMORANDUM for the Director:

There follows the report of activities in Hawaii National Park during July.

Introduction

The abolishment of the Civilian Conservation Corps and its transfer locally to the US Engineers resulting in the loss of the small detail left at Kilauea, which had served as a fire suppression brigade and provided a group of trained stretcher-bearers for any emergency, necessitated reorganization of the remaining regular staff and intensification of training. Particular emphasis was placed upon fire protection and all personnel participated in a course of seven one-hour lectures and demonstrations given and directed by Acting Chief Ranger Baldwin. Much extra work devolved upon the office staff in connection with the transfer of the CCC, particularly the equipment transfers and canteen liquidation.

The scrap rubber drive continued until the 10th. In all the park community turned in a total of 5980 lbs, not including CCC donations. It was reported that about 216 tons were collected on the Island of Hawaii, or an average of a little over 6 lbs. per person. The park community including government donations averaged a little less than 50 lbs. per person.

General Weather Conditions

Precipitation at Kilauea headquarters totaled 3.25" during the month, and at the Haleakala ranger station precipitation amounted to 3.24". Maximum and minimum temperatures were 78 and 50 degrees at Kilauea and at Haleakala ranger station the minimum reported was 41 degrees. The maximum thermometer was broken and it was impossible to obtain the maximum temperature.

The US Geological Survey reports that rainfall on Waiialeale, Island of Kauai broke all previous records. The total precipitation for the year ending July 24 was 618.75".

Special Activities

With the exception of several trips to Hilo in connection with the liquidation of the CCC, and other park affairs, and to Olaa for meetings of the Selective Service Local Board, the superintendent was at Kilauea headquarters throughout the month.

General Publicity

At the request of the editor of the Audubon Magazine, Miss Margaret Brooks, Acting Chief Ranger Paul Baldwin is preparing a popular article on Hawaiian birds for that magazine.

Cooperating Governmental Agencies

CCC - Work continued on the transfer of CCC equipment, supplies, personnel, etc., to the Corps of Engineers, who have taken over, with one or two exceptions, the entire organization in the Territory. They will be known as the Junior Corps of Engineers.

US Commissioner Joseph Akau of Hilo received an appointment as Territorial Deputy Attorney General. As Commissioner Mr. Akau handled several cases for the park, and he was well thought of by the entire staff.

The Selective Service Territorial Headquarters in Honolulu assigned us a conscientious objector, to work under our supervision for the duration of the war.

Cooperating Non-governmental Agencies

Harold Arnold, Boy Scout Executive on this island, resigned his position, and is planning to return to California to do Scout work there. Mr. Arnold has been in Hilo for several years, and was well thought of by those of us on the staff who knew him, and he did some excellent work with the Scouts.

Lectures, Guide Service, etc.

At the joint request of the USO and Army, Park Naturalist Fagerlund gave a series of illustrated lectures at different locations on this island.

Arrangements are being perfected for Mr. Fagerlund to undertake an ecological survey of the park. Since other naturalist activities have been severely curtailed there is now given an opportunity for this important work to be undertaken with some hope of completion.

Research and Observation

A paper, written jointly by Assistant Naturalist Gunnar O. Fagerlund and Acting Chief Ranger Paul Baldwin, entitled "Effect of Cattle Grazing Upon Koa Reproduction in Hawaii National Park" was sent the Director's office for review; and thence to Dr. Olmstead of the University of Chicago for consideration for publication in *ECOLOGY*.

There was no surface manifestation of volcanic activity at Hawaiian volcanoes in July. Smoke was reported from the 1942 Mauna Loa flow on July 17. The flow is over 40 feet thick in many places and will remain hot for several months. A landslide from the north rim of Halemauuan produced a large dust cloud on July 16. An earthquake at 4 p.m. on July 9 that originated under the ocean between Hawaii and Maui was generally felt over the island. It was strong enough to dismantle the E-W component of the Observatory seismograph. A perceptible shake that originated under Kilauea was recorded at 7:45 a.m. July 29. There was a strong, easterly tilt during the first 10 days of the month.

The ranger in charge of Haleakala states that between ^{two} and three hundred silverswords are estimated to be in bloom at the present time. They are well scattered and should help increase the number if the seed reproduce.

Ranger Service

The routine of recent months was continued with some curtailment due to the loss of the CCC. The Hawaii Rifles program was carried on with full participation by the rangers. Again, for July, defense needs arising from the current world struggle have taken precedence over other activities and claimed most of the time and effort of the division.

Police Protection

It was decided to place a 10 mph speed limit on roads in the utility-residential area in order to reduce the accident hazard for small children.

The ranger in charge of the Haleakala section reports it was necessary to pick up a soldier for exceeding the park speed limit. His case was turned over to the military police.

Building Fire Protection

The main activities of the ranger division were centered around building fire protection. A course of instruction in handling all available fire fighting equipment of the park was worked up and given to all members of the park staff. As a result we are better prepared to cope with building fires, should any occur. Instruction and drills to perfect the organization will continue.

Wildlife Protection

Thirty nine wild goats were disposed of at Haleakala during the month.

Tree Disease

Great destruction of young koa trees has occurred in the Ohaikes area where cattle have grazed for a number of weeks. Nearly all the two-year old reproduction in the region below about 5000 feet is destroyed. Older trees in Kipuka Ki have also been broken down. Action has been taken to have cattle kept from making their way into Kipuka Ki.

Plans, Maps and Surveys

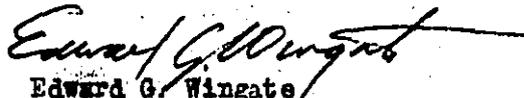
Ranger Charles Miller devoted most of his time to enlarging the topographic map of the park from USGS quadrangle sheets. The enlarged sections will be used in the type mapping of the vegetation of the park by the naturalist and ranger divisions.

Visitors

Mr. and Mrs. Robert Beasley visited the park on the 23rd and 24th. Mr. Beasley is ^{with} the Social Security Administration in Honolulu.

Miscellaneous

Audit by this office of the CCO camp canteen books is progressing slowly and laboriously due to most carelessly kept books, missing papers, etc. The confusion is partly, but not wholly due to several recent moves of the camp office.


Edward G. Wingate
Superintendent

owh

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII August 6, 1942.

Handwritten notes:
L.W.
Monthly Report
L.W.

MEMORANDUM FOR THE SUPERINTENDENT:
SUBJECT: Activities of Ranger Division during July 1942.

610 Ranger Service

The main activities of the ranger division were centered around building fire protection. A course of instruction in handling available fire fighting equipment of the park was worked up and given to all members of the park staff. As a result, we are better prepared to cope with building fires, should any occur. An air raid shelter with the capacity of 75 people was built by the maintenance division for the Volcano House people and the Headquarters personnel.

The necessity for guard work and 24-hour office duty continued, and the division carried on as in the previous months. The Hawaii Rifles program was carried on with full participation by the rangers. Again, for July, defense needs arising from the current world struggle have taken precedence over other activities and claimed most of our time and effort.

620 Police Protection

It was decided to place a 10 m.p.h. speed limit on roads in the utility-residential area, in order to reduce the accident hazard for small children. Signs are being prepared.

650 Building Fire Protection

A course in building fire protection was given by the Fire Chief assisted by Rangers Medeiros and Kauhi. Twenty one members of the staff were instructed. Eleven of these were present for all seven sessions, four were absent once, and six were absent more than once. The staff was divided into groups of seven to increase the efficiency of instruction and practice. Each session lasted one hour.

An outline of the course follows:

FIRE DRILL PROGRAM

SUBJECTS:

Unit I Fire Extinguishers

- Back pump (park)
- Pump type (observatory)
- Soda-acid (park)
- Foam (Volcano House)
- 1 quart CCl₄
- 1 gallon CCl₄

Unit II Fire Lines and Hydrants

- Sources of water

Unit II (continued)

Location of fire lines
Location of fire hydrants
Location of hose houses

Unit III Building up pressure on the fire line.

Park pump
Fire truck pump
Booster pump
Volcano House pump

Unit IV Fire Truck

How to run it
Hose-handling
Nozzles, couplings, reducers
Ladder - carrying, putting up
Axe, shovels, crowbar, forcing entry
Rope - hoisting extinguishers, axes, etc., basic knots
Wrenches - hydrant, spanner
Insulated wire cutting pliers
First aid kit
Taking truck to fire

Unit V Fire Fighting Organization

Fire alarm procedure
Division of duties - driver, hydrant man, hose man
Assignments in fighting operations
Salvage during and after fire
Practice

Unit VI Types of Fires

Chimney
Oil, paint
Building and wood fires
Electrical equipment
Automobile or pump

Unit VII Problem

660 Tree Disease

Great destruction of young koa trees has occurred in the Ohaieka area where cattle have now grazed for a number of weeks. Nearly all the two year old reproduction in the region below about 5000 feet is destroyed. Older trees in Kipuka Ki have also been broken down. Action has been taken to keep cattle from making their way into Kipuka Ki.

670 Type Mapping

Ranger Miller devoted most of his time to enlarging the topographic map of the park from U. S. Geological Survey quadrangle sheets. The enlarged sections will be used in the type mapping of the vegetation of the park by the Naturalist and Ranger divisions.

690 Public Health

A large covered trench type air raid shelter with benches capable of accomodating 75 persons has been built. It is located so as to be accessible to the guests and personnel of the volcano House as well as park personnel in the administration building.

The first Aid Casualty Station was further equipped with supplies from the CCC camp. Mending of the blankets for the station by park wives was carried on. Mrs. Davis, in charge of Casualty Stations, has complimented

Mrs. Miller for her work in setting up our station in the park.

The park operators kitchen was inspected on July 31st and found in unsatisfactory condition, as reported upon separately.

Paul H. Baldwin
Paul H. Baldwin,

Acting Chief Ranger.

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

August 7, 1942

MEMORANDUM FOR THE DIRECTOR:

The Park Naturalist's monthly report for July 1942 is attached.

Edward G. Wingate,
Superintendent

By: *Gunnar O. Fagerlund*
Gunnar O. Fagerlund
Asst. Park Naturalist.

NATURALIST'S MONTHLY REPORT
July 1942

000 - General

The Park Naturalist continued to assist with the emergency guard work, but in addition he spent considerable time planning and preparing for type-mapping the Park. Interpretive activities were confined to occasional outside lectures.

400 - Interpretation

410 - Lectures, Guide Service, and Interpretation.

411 - Statistical report is attached.

413 - Lectures outside the Park.

Six lectures were given to 430 people by Park Naturalist.

430 - Research and Observation.

Considerable progress was made in preparing instructions for type-mapping. Ranger Miller is preparing a base map for type-mapping by enlarging the U.S.G.S. advance sheets to a scale to four inches to the mile.

480 - Library Activities.

The following books have recently been added to the library

College Entomology by E. O. Essig.

Insects and Other Invertebrates of Hawaiian Sugar Cane Fields by Williams.

Standardized Plant Names.

Romance of the National Parks by Harlean James.

The Leguminous Plants of Hawaii by J. F. Rock.

Laws Relating to The National Parks, 1933.

**MONTHLY STATISTICAL REPORT OF INTERPRETIVE CONTACTS
IN SCENIC OR SCIENTIFIC AREAS
HAWAII NATIONAL PARK**

Name of Area _____

Number of Persons Engaged in Interpretive Activities

	Technical	Administrative	Other	<u>July</u>
Permanent	<u>000</u>	_____	_____	Month
Temporary	_____	_____	_____	<u>1942</u>
				Year

		No.	Attend.	Duration*	V.P.H.**
CONDUCTED TRIPS					
Auto Caravans					
Hiking Trips					
Ruins					
* _____					
*List other types	Total			XXXX	
LECTURES					
Campfire					
Hotel or Lodge					
Museum					
Outside of Park		6	430	one hour	430
Special**					
**Includes all other types	Total	6	430	XXXX	430
ATTENDED INTERPRETIVE STATIONS & MUSEUMS					
Name of Station					

List by name and type				XXXX	
UNATTENDED INTERPRETIVE STATIONS					
Name of Station, Nature Trail, etc.					

List by name and type				XXXX	

BROADCASTS	
Station	Subject

Total Contacts 430
Total V.P.H. 430
Total Visitors _____

Name Gunnar O. Fagerlund
Title Asst. Park Naturalist.

MAIL ATTENTION NATURALIST DIVISION, NATIONAL PARK SERVICE, WASHINGTON, D. C., IN TIME TO ARRIVE ON OR BEFORE THE TENTH OF THE MONTH FOLLOWING THE ONE REPORTED ON.

* AVERAGE DURATION OF ACTIVITY.

** THIS COLUMN REPRESENTS VISITOR PARTICIPATION HOURS. THE FIGURE IS OBTAINED BY MULTIPLYING THE VISITOR ATTENDANCE BY THE AVERAGE DURATION OF THE CONTACT; I.E., THE AVERAGE TIME DEVOTED TO THE TRIP, LECTURE, MUSEUM VISIT, OR USE OF INTERPRETIVE STATIONS.

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

August 6th, 1942

Memorandum to the Superintendent through the office of the Ac't. Chief Ranger

Subject: Narrative report for the month of July

Routine

My scheduled activities for the month included regular turn at 24 hour duty, guard mount and patrol

Miscel

Other work included enlarging the topographic map of the park by sections from U.S. Geological Survey quadrangle sheets.

Ranger Thompson Kauhi and I installed a telephone in the Kauhi Residence and connected service to line No 15 of the park system.

Observations

I have noted that parts of the Kilauea Iki-Sandalwood trails have been used for bridal path purposes. Two plank foot bridges have been broken, one on each trail. Same were apparently by weight as the foot prints of two horses was plainly visible.

The boys living in the old O.C.D. or Christ house have been throwing clothing over the pali by that residence, I noted a number of pieces of wearing apparel and an object I believed to be a blanket on the pali or crater wall.

Charles W. Miller
Charles W. Miller
Ranger

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

August 5, 1942.

MEMORANDUM FOR THE SUPERINTENDENT THRU THE CHIEF RANGER

SUBJECT: Monthly report for July, 1942.

Fire protection work

During my inspection on fire extinguisher around the administration building, it was found that out of six soda acid extinguishers, only one was found in good working order. Most of these extinguishers were then tested, recharged, and filled for use again before being put back. Carbon tetrachloride extinguishers were also inspected, tested, recharged, filled, and placed on brackets in proper places. Inspection of extinguishers around the residential area was also made. Most of the extinguishers in houses that were inspected were found in good condition and in proper place. Inspection of extinguishers was also made at the Volcano house. Soda acid extinguishers were inspected. Only two were accounted for in working order. These were inspected, tested, recharged before putting in place. Four foamite extinguishers were found in poor condition. A check on tags showed last inspection was made Sept 1941. One soda acid extinguisher was placed in the park wood shed in place of the pyrene pumping type extinguisher.

We were also detailed to give instructions on types of extinguishers before a crowd of five men. In given instructions, demonstrations were also performed. Following these instructions and demonstrations they were asked questions. Location of fire lines and hydrants were taught, by instruction and demonstrations. The fire truck was also studied and inspected. Instruction in its use were given to each man, as well as a demonstration. Each time the fire truck was used, the class would be informed that it was to be inspected before returning it to the station to be ready at all times for use in case of fire. Instruction on types of incendiary bombs were received from the Army officials, Hilo. Hydrants painted white and red to bring all eyes to its attention and so that it could be recognized during black out hours. More spanner wrenches made by our mechanic for both large and small hydrants located in back of the Volcano house and utility area. Sand buckets were placed in administration building, with long handle shovel and back pump. Sand bucket, back pump and long handle shovels were also placed at the warehouse and casualty station, for the purpose of fighting incendiary bombs.

Communication

Telephones were installed at Hauaios Sr and Mr. Peleiholani's residences. It was necessary to extend the line from Kauhi's residence.

Office and guard duty

Office and guard duty was stood for emergency calls, as well as calls from the guard post.

Forest protection

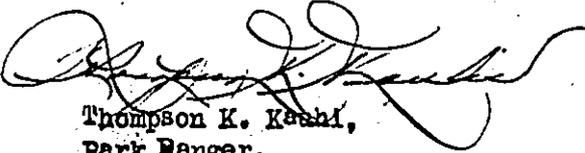
To protect koa trees in Kipuka Ki from cattle grazing, cleaning out weeds between cattle guard rails was done and stone walls were built on both ends to keep cattle from crossing along the side of the guard or the guard itself.

Sanitation

An inspection was made thru the Volcano house kitchen. Found were lots of dirty dishes, dirty dish rag, uncovered meat, bread, jam, in disorderly condition, dirty floor, stove uncleaned, dishes on shelf dirty and etc, garbage boxes filled and over stuff with paper, rags, bottles and etc.

Hawaii Rifles

Members of Hawaii rifles were transported to and from drilling on sundays only at pre-arrange hours.


Thompson K. Kashi,
Park Ranger.

*tel
Monthly report*

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

MEMORANDUM FOR THE SUPERINTENDENT (Through the Chief Ranger)

SUBJECT: Daily report for the month of July, 1942.

- July 1--On sick leave.
- 2-- "
- 3--On guard duty.
- 4-- "
- 5--Attended Hawaii Rifles and cleaned fire arms.
- 6--On guard duty.
- 7--Trip to Hilo for bomb fighting demonstrations.
- 8--Collecting rubber and checking on steel rails along highway.
- 9--Inspection of fire extinguishers.
- 10-Off duty.
- 11-At park warehouse building target frames, also on guard duty.
- 12-On guard duty, also attended Hawaii Rifles.
- 13-Attended demonstrations on fire fighting.
- 14- "
- 15-Checking park and C. C. C. animals at park horse corral, also had fire line hydrant locations drill.
- 16-Fire drill, testing pressure on fire wagon and booster^{point} on fire hydrants.
- 17-Checking on Volcano House pump system, and locations of water line valves, also on guard duty.
- 18-On guard duty.
- 19-Off duty.
- 20-Fire fighting demonstrations, also on guard duty.
- 21-Fire fighting demonstrations, also on guard duty.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
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HAWAII

2

July 22-Fire fighting demonstrations.

23-At Mauna Loa section, repairing fence line and putting up telephone poles.

24-Fire fighting demonstrations.

25-Fire extinguishers and hazards inspection.

26-Attended Hawaii Rifles, also on guard duty.

27-Off Duty.

28-Painting water cans, pump type, also checking park horses at K. M. C.

29-Trip to Hilina Pali, patrolling and picked up used telephone wire, also picked former guard house near Devils Throat. Took down spare wire used by radio school, running from former barrack, Miller's, Baldwin's, thence to Finch's house.

30-Checking and greasing fire fighting tools, repaired locker in fire house, installing telephone lines on line #15, from Kauhi to Haupio Sr. and Pelealani's house. Two used telephones were installed, one on Haupio Sr. and one on Pelealani's house. Also on guard duty.

31-Detailed on guard duty. Repairing telephone line #10 at Hilo entrance, and checking trouble, location on telephone line #8.

A. B. Medeiros
A. B. Medeiros
Park Ranger

August 7, 1942

MEMORANDUM for the Superintendent:

Subject: Report of the Hawaiian Volcano Observatory for July.

There was no surface manifestation of volcanic activity at Hawaiian volcanoes in July. Smoke was reported from the 1942 Mauna Loa flow on July 17. The flow is over 40 feet thick in many places and will remain hot for several months.

A landslide from the north rim of Halemaumau produced a large dust cloud on July 16.

An earthquake at 4 p.m. on July 9 that originated under the ocean between Hawaii and Maui was generally felt over the island. It was strong enough to dismantle the E-W component of the Observatory seismograph. A perceptible shake that originated under Kilauea was recorded at 7:45 a.m. July 29.

There was a strong, easterly tilt during the first 10 days of the month.

Some of the data obtained during the month are shown in the following table:

<u>Week Ended</u>	<u>Tilt</u>	<u>Seismic Disturbances</u>	<u>Seismicity</u>
July 5	Mod. ENE	8	2.50
12	Strong SE	13	5.75
19	Slight NNE	6	1.75
26	Very slight SSW	7	1.75

Work of R.H. Finch : Some time was spent on an unfinished manuscript of P.E. Schulz and a start made on the Volcano Letter for April-June 1942, which is to contain an account of the 1942 Mauna Loa eruption. Owing to the fact that B.J. Loucks left the Observatory to go into the US Navy on July 1 considerable more time than usual was taken up with seismological routine. Seismological routine was kept current. A talk to the Hilo Rotary Club was given on July 10.

Work of Stephen Balthazar: A large part of his time was taken up in routine care of seismographs. Some of the other more important time-consuming jobs were cleaning the room where the library is stored, painting seismograph parts, and measuring cracks.

Ruy H. Finch
Ruy H. Finch
Volcanologist

PKB
rec'd 8-4-42

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

Wailuku Maui
August 1, 1942

Memorandum to Superintendent Edward G. Wingate through office of Acting Chief Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of July is respectfully submitted:

000 General 010 Introduction

The imported food situation on Maui has steadily improved to the point where ration cards are no longer required. Oranges, lemons, butter, frozen fish, and many other items are available for the first time since war began. Eggs are now eighty cents per dozen but most items are not prohibitive in price.

Water shortage is still serious at the Army Camp. Seventeen thousand gallons of water was given to the Army from our regular system this month. A two inch pipe line was run by the U.S.E.D. from the old C.C.C. Camp here to the Army Camp in order that the two C.C.C. tanks and the one Park tank, which are filled from the various roofs, can be used by the Army. This adds fifteen thousand gallons to their present storage system.

The U.S.E.D. here on Maui has absorbed the complete C.C.C. set up since the latter was voted no funds by Congress.

020 General weather conditions

At the Ranger Station there were ten clear, twenty partly cloudy, and one cloudy days this month. The minimum temperature for the month was forty-one degrees, on the seventeenth. No maximums were kept as that thermometer was broken and has not yet been replaced by the Weather Bureau. Rain fell on four different days to total 3.24 inches. Fog was present on seventeen days. Rainfall at the summit was 1.14 inches.

200 Maintenance, Improvements and New Construction 210 Maintenance

More work was done on the road which is now in fair shape and can be kept clean with weekly or twice weekly policing.

220 Improvements

Due to the fact that nearly every time any of us went into the crater alone or with any military personnel there came a call to Mrs. Hjort to get some of us out in a hurry, a very temporary telephone line was run from the Army's cable to Kapalaoa Shelter. This line is strung along the ground and runs from the junction box of the Army's cable situated between the Old Rest House and Pakaoa Observatory to Kapalaoa Shelter. The cable is used from the junction box down to the Ranger Station. The old field wire left in the crater from the time the cabins were built was gathered up and patched to do the work. The old Maui Telephone Co. line field wire running from the Old Rest House to the Observatory was also used as the new

underground cable replaces that. Some of the old telephones left from the time the shelters were under construction were also used after being repaired here. One telephone is set up at the Ranger Station where Mrs. Hjort has volunteered to be telephone girl and the other is at the Shelter. This system does not tie into the commercial line but gives us a chance to have a message relayed to the party in the crater and thus save a trip in for someone. The line although double is used as one wire with a ground being used at each end for the return circuit. No new materials were used in the construction of this system.

260 Landscape work

Some landscape work was done around the ranger's residence this month. A new turn-around was started in front of the garage and some plants were added to the grounds.

400 Flora, fauna, and natural phenomena 490 Miscellaneous

Between two and three hundred silverswords are estimated to be in bloom at this time. They are well scattered and should help a lot if any of the seed reproduce. No exceptionally large blossoms have been observed.

600 Protection 610 Police protection

Marcus S. Blodgett, Technician 5th rate of the U. S. Army located at the Puu Nianiau Air Warning Service Camp was called in by Ranger Hjort for exceeding the Park speed limit. This case was turned in to the Military Police at Haiku which is the procedure now that Military Law is in force here. Since this case came up on the last day of the month the fine imposed is not yet known.

640 Destruction of predatory animals

Thirty-nine goats were killed in the crater this month. Haleakala Ranch informs us that since it has not rained enough in the past two years to keep the vegetation alive in the Nuu section of their ranch which is just south of the crater the goats have gone higher and higher until many have found their way into the crater. We have noticed an increase in goats recently on the south side of the crater but have been able to keep them quite well scared up on the rim.

Frank A. Hjort
Frank A. Hjort
Ranger in Charge

10-28
(May 1922)

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

FILE NO.

MONTHLY REPORT

JUNE 1942

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

July 18, 1942

MEMORANDUM for the Director:

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

Introduction

The tension of the last weeks of May was relieved when official reports of the Midway battle began to be released, showing a decisive United States victory. The number of Japanese ships involved seems to indicate the enemy had other objectives than small Midway island in mind.

From June 15 to the end of the month the park staff was actively engaged in collecting and salvaging all scrap rubber possible throughout the area and adjacent communities. This was done in connection with the territorial-wide drive for rubber scrap. Orders were issued to turn in all rubber articles not actually necessary to present park operation. A survey was made of all old tires and only those which were in use or new stock which could be used here, or tires which could be recapped were kept. Old batteries were broken up, cars stripped, dump heaps combed and roadsides carefully explored. Park families generally turned in everything including the children's toys. In all, by the end of the month 5208 pounds had been collected which is not a bad showing for a community of such small size. The collections are being continued and several hundred pounds more are expected.

The action taken by Congress to abolish the Civilian Conservation Corps was a distinct disappointment. Since December 7 the organization has been engaged almost exclusively on military and related projects of importance which have provided useful training for boys in the 16 to 18 years age group, besides giving them the satisfaction of knowing that they were serving in this emergency in the most helpful way. It seems certain that the abolishment of the corps will considerably increase the cost of projects on which they were engaged and the boys will lose the benefits of the organized training. Park operations here will be severely handicapped until replacements are made for the trained first-aid, litter-bearing, and fire-protection squads furnished from the corps.

All staff committees, with the exception of the Buildings and Board of Survey were abolished for the duration. Weekly staff meetings for all personnel are being held instead.

Weather Conditions

At Kilauea the total rainfall for the month was 4.38 inches, and at the Haleakala ranger station the total was 2.00 inches. Maximum and minimum temperatures at Kilauea were 75 and 51 degrees and at the Haleakala ranger station 75 and 41 degrees. Snow was seen on the summits of Mauna Loa and Mauna Kea June 15, following an electrical storm.

Special Activities

The superintendent was at Kilauea headquarters throughout the month, except for a trip on June 29-30 to inspect the CCC camp and work projects at Pohakuloa and to talk to the supervisory personnel and enrollees. On the 5th he escorted a group of Air Corps officers on an inspection of certain sections of the park. Puna District Selective Service Board meetings were attended about once a week and a general meeting of agencies participating in the Hawaii Island Community Chest was attended on the 9th. Much time was given to conferences with military authorities and ranchers on the Kapapala grazing matter.

General Publicity

Mr. Jack O'Brien, who has been editor of the Hilo Tribune-Herald for the past several years, resigned that position in order to accept one with the Treasury Department to handle publicity for defense savings bonds and stamps in the Territory. Mr. O'Brien was a good friend and booster of the park and the Service. Mr. Urban Allen, formerly of the Maui News and Honolulu Star-Bulletin is replacing Mr. O'Brien. Mr. Allen's first newspaper work was with the Hilo Tribune-Herald.

At the request of the editor of the Paradise of the Pacific, Park Naturalist Fagerlund submitted an article for publication in their July issue.

Cooperating Governmental Agencies

During the first part of the month we received a request from the local chapter of the Red Cross for approximately 50 persons from this vicinity to report to the Army hospital at Mountain View for blood typing for possible transfusions in the event of emergency. A total of 40 persons, park and operator's employees, as well as CCC enrollees and residents of the area were typed and recorded with the Army.

CCO - On June 27 we received a telephone call from CCC Field Supervisor Pesonen stating it had been necessary for CCC Senior Foreman (Landscape) Lavelle M. Hewitt, who had gone to Honolulu to accept a position with the Navy, to go to the Queen's Hospital for treatment.

An estimate to cover the cost of continuing operation of CCC Camp HNP-1 after July 1 under Army supervision was prepared at the request of military authorities.

Legislation

By direction of the Military Governor price control boards were established on the several islands and on June 11 the first list of maximum food prices was published by the local board.

On June 30 the Military Governor directed all US currency be turned into the banks before July 15. This would be exchanged for a new series of special Hawaiian currency.

About the middle of June the Military Governor ordered changes in blackout hours for this island. The new hours are 8:15 p.m. to 6 a.m.

Research and Observation

Mauna Loa continued quiet throughout the month. Rumors of activity at several places on the recent lava flow were common. Local adjustments of the 1942 flow which is over 40 feet thick in places may have been the basis of some of the reports, but most were based on local fuming and smoke from vegetal fires at the edges of the flow. Early in the month smoke from the lower reaches of the flow was sufficient to produce a thin pall of smoke over the upper NE flank of the mountain. The 1940 cone in Mokuaweoweo (the summit crater) was reported on June 30 to be emitting fume in noticeable amounts.

Kilauea continues inactive save for a few landslides and a slight opening of most of the cracks adjacent to the rim of Halemauau.

Visitors

Brigadier General R.F. Kernan, Military Governor on Maui, visited the Kilauea section on June 30.

Ranger Service

Heavy emphasis was placed upon guard work. Perhaps one half of the total working time of the ranger division went into office duty, guard supervisory work, and the maintenance of guards' equipment. In addition time was devoted to Hawaii Rifles, including rifle practice, maintenance of firearms, targets and other equipment. The Army continues to furnish excellent instruction.

Special police commissions were issued to those members of the protection force who had not previously received them, by the Sheriff of the County of Hawaii.

The status of Laborer Thompson Kaubi and Park Warden Antone B. Medeiros was changed to that of park ranger effective June 1. These are both war service appointments. John P. Hauanio Jr., entered on duty June 16 under a war service appointment as junior park warden vice Mr. Medeiros.

Building Fire Protection

One fire drill for the CCO and the guards was held. White posts were placed around fire hydrants and gate valves in exposed positions.

Insect and Tree Diseases

Plots for protecting koa reproduction from cattle grazing were selected for fencing, and supervision given to the fence construction by the ranger division.

Public Health

Work continued on fitting out our casualty station. One of our covered trucks has been converted into an ambulance. Directional signs to the station were posted at strategic points in the park area.

Miscellaneous

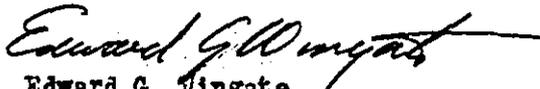
On June 8 recommendation was made to Major General Ralph McT. Fennell, Military Governor on this island, that the hour of closing of bars and other liquor dispensing establishments be extended until 6:30 p.m., in view of the shortening of the blackout hours and present congestion in the various bars, due to the short period they are open after close of business. The general promised to take this up with the military authorities in Honolulu.

Robert Ida, bar-tender at the Volcano House was fined \$50 in the provost court for bootlegging. The court was lenient in this case because of mitigating circumstances. Also involved was one Kenichi Nakamoto, caretaker for the Hawaiian Dredging Company's Volcano cottage. Nakamoto was a resident in the park for many years as caretaker for the Dredging Company's cottage when it was located in the park.

Local newspaper articles reported the transfer to the mainland for training American citizens of Japanese ancestry who were serving in the US Army.

In a statement to the press on June 22 Lieut. General Delos C. Emmons, Military Governor of the Territory, urged evacuation to the mainland of all non-residents not engaged in essential war work. Part of his statement is quoted below. "General Emmons characterized as 'dangerous and wishful thinking' the attitude 'many citizens have adopted since the Midway victory' to the effect that Hawaii is now immune to enemy attack.

"To assume that the enemy will not return in force and utilize every weapon at his disposal is the most dangerous kind of wishful thinking."


Edward G. Wingate
Superintendent

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

July 8, 1942

MEMORANDUM FOR THE SUPERINTENDENT:

SUBJECT: Monthly Activities of the Ranger Division during June, 1942.

610 Ranger Service

Heavy emphasis was placed upon guard work during this month. Perhaps one half of the total working time of the Ranger division went into office duty, guard supervisory work, and maintenance of guards' equipment. In addition, work was devoted to Hawaii Rifles, including rifle practice, maintenance of fire arms, targets, and other equipment.

620 Police protection

Special police commissions were issued for the District of Kau by the Sheriff to members of the Ranger division.

630 Wildlife protection

Pig and goat removal continued on a small scale.

650 Building fire protection

One fire drill for the CCC and the guard boys was held. White posts were placed around hydrants and gate valves in exposed positions.

660 Insect and tree diseases

Koa plots for fencing to protect reproduction from cattle grazing were selected. Supervision was given to the fence construction.

690 Public Health

Work on the Casualty Station continued. An ambulance was provided for. Signs directing to the station were posted at strategic points in the park area.

800 Miscellaneous

Rubber collections were made in cooperation with the maintenance division.

The auxiliary power unit installation at the Headquarters building was completed.

Air raid shelters of the trench type were provided for the guard posts.

One of the water tanks was removed from the Hilina Pali shelter to keep it from becoming damaged by drying and cracking.

Saddles and other related equipment were repaired and maintained.

Paul H. Baldwin
Paul H. Baldwin,
Acting Chief Ranger

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

HAWAII

Wailuku Maui
July 1, 1942

Memorandum to Superintendent Edward G. Wingate through office of Acting Chief Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of June is respectfully submitted.

000 General 010 Introduction

Water shortage is again serious here. The Army camp has had to haul a considerable amount as their tank is empty and the spring from which they were using has gone dry. Army officials from Oahu were here during the last of the month to study the situation and it is hoped that additional storage tanks will be built.

020 Weather

Small amounts of rain fell on six different days to total 2.00 inches. There were three clear, twenty-two partly cloudy and five cloudy days this month. Most of the cloudy days and partly cloudy days were due to fog which was present on most of the days. The maximum was seventy-five degrees and the minimum was forty-one. They occurred on the eleventh and tenth respectively.

Rainfall at the summit was 0.58 inches.

100 Administration 150 Equipment and supplies

The Chevrolet Sedan No. 782 was placed in storage this month for the duration of the war in accordance with Order No. 1669.

A large supply of rubber was gathered and turned over to the authorities for the rubber drive. One old solid rubber tire was found in the park which when removed from its rim netted about forty pounds of pure rubber. Many old tire casings were found between the park boundary and the Kula road.

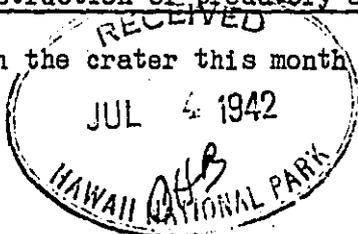
Two--Model 1903, Springfield Arsenal, Rifles (.30 caliber) were loaned to the park by the military governor for the duration.

200 Maintenance, Improvements and New Construction 210 Maintenance

Most of the month has been used in cleaning out the ditches and cuts on the park road.

600 Protection 640 Destruction of predatory animals

Ten goats were killed in the crater this month



Frank A. Hjort
Frank A. Hjort
Ranger in Charge

July 7, 1942

June 15-16 On shaper 10 hrs.
16 On lathe machine parts 2 "
20 On gun for FSC 4 "
MEMORANDUM for the Superintendent: 4 "
On lathe machine 6 "
On lathe machine 11 "

Subject: Report of the Hawaiian Volcano Observatory for June

Mauna Loa continued quiet throughout the month. Rumors of activity at several places on the recent Mauna Loa lava flow were common. Local adjustments of the 1942 flow which is over 40 feet thick in places may have been the basis of some of the reports but most were based on local fuming and smoke from vegetal fires at the edges of the flow. Early in the month smoke from the lower reaches of the flow was sufficient to produce a thin pall of smoke over the upper NE flank of the mountain.

The 1940 cone in Mokuaweoweo was reported on June 30 to be emitting fume in noticeable amounts.

Kilauea continues inactive save for a few landslides and a slight opening of most of the crack adjacent to the rim of Halemauau.

Some of the data obtained during the month are shown in the following table:

Week Ended	Tilt	Seismic disturbances	Seismicity
June 7	Slight NW	3	1.50
14	Mod WNW	10	2.50
21	Slight NNW	21	6.50
28	" NNW	16	4.50

Work of R. H. Finch:

Decreasingly small portions of each day were taken up with duties incident to the war. Some time was spent in bringing the plotting of tilt and seismicity more nearly up to date. Seismological routine was kept current.

The Volcano Letter for the first quarter of 1942 was completed and sent to the editor.

Work of B. J. Loucks:

The principal time consuming jobs aside from 6 days on guard duty and the routine of the shop and tending seismographs are as follows:

June 1	On lathe and shaper	4 hrs.
" 3	Trip to Hilo	
6-9	On guns for Hawaii Rifles	11 "
11-14	On seismographs	14 "

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

July 8, 1942.

MEMORANDUM FOR THE SUPERINTENDENT

SUBJECT: Ranger report for the Month of June, 1942.

Entered on as Park Ranger duty June 10, 1942. Received police commission for district of Kau, from Hilo Police Department.

Duties performed

Cleaned 50 army automatic pistols, 151 clips, oiled 25 pistol holsters. Also cleaned springfield rifles & oiled slings.

Counted all first aid kits, packets & web belts.

Built 3 air raid trenches at guard posts for air raid defense.

Put up guard house, installed telephone at F.C.C. as to give guard report.

Hauled 2 loads of fence posts and wire to koa plots.

Members of Hawaii rifles were transported to and from drilling.

Guard inspected, firearms inspected, flashlight inspected and lights during blackout hours.

Office duty was stood for calls from posts or any emergency calls.


Thompson K. Kahi,
Park Ranger.

MEMORANDUM TO THE SUPERINTENDENT

(Through the Acting Chief Ranger)

SUBJECT: Daily Report For the Month of June, 1942.
A. B. Medeiros.

June 1-- }
June 2-- } At park warehouse repairing riding equipment.

June 3-- }
June 4-- } At park office, detailed on guard duty.

June 5-- Off Duty.

June 6-- At park warehouse repairing and assembling army saddles
from C. C. C.

June 7-- Military training and office duty.

June 8-- At park saddle room repairing army saddles from C. C. C.

June 9-- Office Duty.

June 10- }
June 11- } At park office cleaning fire arms and detailed on guard duty.

June 12- Off Duty.

June 13- Inspection tour to Hilina Pali and also detailed on office
duty.

June 14- At park office detailed on guard duty.

June 15- At park office cleaning fire arms and patching bullet holes
on targets.

June 16- Took down extra water tank at Hilina and hauled it to park
woodshed.

June 17- At park woodshed building wooden horse saddle racks.

June 18- Off Duty.

June 19- Installed saddle racks at park saddle room; also at park office,
detailed on guard duty.

June 20- At park office, detailed on guard duty.

June 21- Military training and also helping Ranger Kauhi build an air
raid shelter at F. C. C. post.

June 22- }
June 30- } On sick leave.

A. B. Medeiros
A. B. Medeiros, Park Ranger.

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

July 2 nd, 1942

Memorandum to the Superintendent through the office of the Acting Chief Ranger

Subject: Narrative report for the month of June.

Routine

My activities for the month included regular turn at 24 hour duty, office routine,

Miscel

These duties consisted of telephone repairs and installations, nursery work, rubber salvage, painting miscellaneous signs, making reviewing stand for Observatory, etc.

Nursery

The CCC crew under the direction of Mr Hewitt, planted approximately 70 Maile (*Gynopogon olivaeformis*, in the immediate vicinity of the Volcano House, utilizing all this specie of nursery stock.



Charles W. Miller
National Park Ranger

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

July 2, 1942

Memorandum for the Superintendent Edward G. Wingate.

Routine maintenance and jobs through work order for the month of June, 1942.

1. Road (Mamalahoa highway) repaired from Hilo entrance to park headquarters.
2. Wiring for meter connection seismograph back of hotel.
3. 1500 gallons water hauled to horse corral.
4. Hot water heater rearranged and shower installed in Qtrs. #1.
5. End table and supply shelves built for First Aid station.
6. Hot water heater cleaned and tank overflow connected in quarters 3, 5, 6, 8 and 9.
7. Comfort station at Lava Tube disconnected and closed for public use.
8. Residence gutter cleaned.
9. Auto tire rack built in park warehouse.
10. Salvage scrap rubber collected in park and 29 mile area.
11. 1150 gallons bituzul hauled from Hilo.
12. Museum stock case moved to quarter's #21.
13. Summer camp water tank removed.
14. Scrap rubber delivered to Hilo, (5,208 pounds).
15. Dry Ohia timber at lava tube cut and hauled.

Sadaichi Kawasaki
Sadaichi Kawasaki
Acting Foreman

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL PARK

FILE NO.

MONTHLY REPORT

MAY 1942

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 13, 1942

MEMORANDUM for the Director:

Following is the report of activities for May, 1942

000 - Introduction

The spectacular, ill-timed, but expected eruption of Mauna Loa, which commenced April 26 and ended May 10, was fortunately short-lived. It added a considerable burden of work to an already heavy schedule while it lasted. An account of the eruption was contained in our report for April, but additional notes appear in this report under Research and Observation.

An air of expectancy pervaded the Islands during the latter part of the month and our general watchfulness was intensified. It was necessary to take on a few additional men for patrol and other emergency duties. Training of the volunteer group, a unit in the Hawaii Rifles, was stepped up under the direction of Major J.J. Farley, 27th Division, USA, and with the fine assistance of several members, officers and enlisted men, from his post, as instructors.

A first-aid casualty station was established in one of the vacant quarters under the direction of Dr. Clyde Phillips, who procured all necessary supplies from the local Office of Civil Defense. A second vacant quarters was held in reserve should the first become inadequate or untenable. Plans for evacuation of women and children from areas which might be in danger were worked out and all arrangements made. It was necessary to reorganize after the transfer to the US Engineers of four regular staff members and the departure of the CCC. The staff continued to assist the Army authorities in every way possible.

Except for a detachment of 20 boys the entire CCC camp was moved early in the month and re-occupied the old camp at Pohakuloa. The boys remaining at park headquarters are continuing work on various jobs in the vicinity and are divided into two groups for emergency litter bearing and fire protection.

Weather Conditions

Total precipitation at Kilauea was 5.23", with maximum and minimum temperatures 75 and 46 degrees. At Haleakala the ranger in charge reports a total of 2.15" of rain at the ranger station and 8.09" at the summit. Volcanic fumes and dust filled the air at Haleakala on the 4th, 5th and 11th.

The eastern Mauna Loa slopes were hazy with smoke throughout the month from the smoldering vegetation covered by the lava flow. Maximum and minimum temperatures at the ranger station ^{Haleakala} were 74 and 40 degrees.

Special Activities

The superintendent attended meetings of the Local Selective Service Board at Olaa on an average of once a week and in addition on the 3rd and 4th made a back-pack trip to the eruption source. On the 11th and 12th a trip around the island and to Humuhua was made to inspect CCC work projects and camp conditions, on the 16th a directors' meeting of the local YMCA was attended in Hilo, and on the 19th and 20th inspections of the koa forest in the Kapapala area on the lower Mauna Loa slopes was made.

General Publicity

When the news of the Mauna Loa eruption was released by the censors on May 22nd the Honolulu Advertiser issued an extra. All other island papers had long accounts of the eruption, plus pictures.

Newspapers carried items to the effect that the activities of the Hawaii Tourist Bureau had been suspended for the duration.

Maintenance

Heavy traffic has greatly increased the amount of routine maintenance to the Mamalahoa highway. This is being taken care of by a reduced staff and under unfavorable weather conditions.

New Construction

Installation of an emergency power unit at headquarters was completed for use should the power line to Hilo go out.

Cooperating Governmental Agencies

CCC - The camp director reports 5 boys were enrolled and 37 discharged. Most of the month was spent in getting the boys and foremen established in their new location, the new office running smoothly in the federal building in Hilo, and other matters incident to the move which took place the latter part of April.

The ranger in charge of the Haleakala section spent considerable time in helping in the organization of the mounted branch of the Maui Volunteers. This organization is now receiving training from the Army.

Lt. Gen. Delos C. Emmons, commanding the Hawaiian Department, USA, made an inspection tour of the island of Maui in May and also visited the park.

Brig. Gen. R.F. Kernan, military governor for the island of Maui, visited the Haleakala section in May.

Park Operators

The Hilo Tribune-Herald carried an article to the effect that because of the blackout the Volcano House fire which has been going in a succession of buildings for the past 75 years has been put out for the duration. On commenting on this Mr. Lycurgus stated "When the torch of freedom is kindled again and sheds its light on the entire world, then the Volcano House fire will be lit again."

Lectures, Guide Service, etc

One lecture was given at one of the Army camps, at which time the 1940 Mauna Loa eruption pictures were shown.

Research & Observation

The month opened with Mauna Loa in eruption. By the morning of May 2 the front of the flow which had started on April 28, had widened considerably and the rate of progress greatly diminished. The eruption continued until the 10th, though from the 5th on outpourings were largely confined to the barren waste land of the upper 6 or 7 miles of the flow area. Smoke was still visible over the flow on the last of the month.

The distance from the uppermost part of the April 28 eruption source to the farthest point reached was about 17 miles. When movement at the flow front ceased it was but 3½ miles from the Kaumana flume of the Olan Sugar Company. The new flow covered part of the drainage area of a lateral feeder of this flume. Rains were common during the eruption and the water in this lateral feeder was soon contaminated with creosote and other products of burned and partially burned vegetation.

Aside from the destruction of a large forested tract, damage was confined principally to grazing land.

The area covered with new lava was roughly 5 miles square. An estimate of the volume of the flow is hard to make without a reasonably accurate map. Rough calculations, however, indicated that it was about 2,000,000,000 cubic feet.

Kilauea continued inactive during the Mauna Loa outbreak. Several large landslides from the northern walls of Halemauau probably resulted from the many earthquakes which occurred during the first 2 days of the Mauna Loa eruption.

Volcanologist R.H. Finch made two trips to the eruption source both on foot. The first, on May 5-6 was to make observations on the source and to investigate the status of the flow. The other on the 21st and 22nd, was to ascertain the nature of the smoking along the flow and source areas. The smoking was of the type usually observed just after flowing has ceased.

Several bird census counts were taken, but Mr. Baldwin's research program has been of necessity curtailed because of his many other duties in connection with his assignment as acting chief ranger, vice Gunder Olson transferred to the US Engineers.

Building Fire Protection

With the aid of equipment furnished by the Army, two additional fire sub-stations have been established in Hilo, making a total of seven such stations in the town.

Wildlife Protection

Eight wild pigs were destroyed in the Kilauea section, and the ranger in charge of the Haleakala section reports 21 wild goats in that area in May.

Miscellaneous

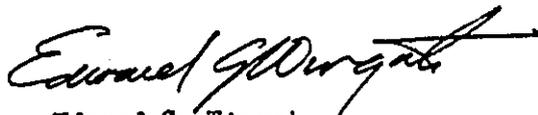
Miss Valda Milne, daughter of our CCC project superintendent, entered on duty May 8 as junior clerk-telephone operator.

At the request of the Territorial Military Governor, and under the terms of the Hawaiian Defense Act, Memorial Day was suspended this year as a holiday, though patriotic programs were held at various parts of the island.

Local newspapers carried items to the effect that it is expected 4,000 tons of vegetables will be harvested in the Territory during May, according to estimates of the US Agricultural Extension Service cooperating with the University of Hawaii. This is a sizeable increase over April.

Information was received that Mr. C.W. Dickey of Honolulu died in May. Mr. Dickey was a well-known architect and designed the new Volcano House, among many other buildings in the Territory.

With the release of construction materials Hilo is finally getting around to building public airraid shelters. Previously any building considered reasonably safe had been designated as a public airraid shelter. Shelters in the park were completed several months ago.



Edward G. Wingate
Superintendent

cwh



Mauna Loa eruption. Curtain of fountains on April 28,
1942 -(about 3 p.m.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

HAWAII

Wailuku Maui
June 3, 1942



Memorandum to Superintendent Edward G. Wingate Through office of the Chief Ranger.

The following narrative report of the Haleakala Section for the month of May, 1942 is respectfully submitted.

000 General 010 Introduction

The arrival on Maui of Brigadier General Redmond F. Kernan to take over all military affairs and to act as military governor for Maui was evidence of our increasing defences this month. General Kernan relieves Colonel Charles B. Lyman who has been called elsewhere.

Lieutenant General Delos C. Emmons, commander of all troops in the Hawaiian area, made an inspection tour of this island early this month during which he inspected the park area and all installations within the park.

Water shortage has hit the army camp again but this time lack of rain was not the cause as sufficient rain fell to fill up and overflow all park tanks. The army, upon finding their 100,000 gal. tank empty, proceeded to drain our tanks for their use in the middle of the night without giving notice to the park. When this was learned an investigation was started which proved that the army had failed to open the valve between their dam and their tank, thus not receiving any water for over one month. All possible assistance was rendered in helping them obtain water. A spring East and slightly below the base camp is now going used with the aid of a couple of small tanks and a gasoline driven pump to supply them. The park crew has taken over the duties of seeing to it that the army system is kept open during rains and regular inspections of their life are being carried out by our crew.

The Ranger in Charge spent considerable time in helping to organize the mounted branch of the Maui Volunteers. This organization is now receiving training from the army and is to guide the various units over the difficult terrain in case of an invasion. Since the men are all ranch hands from Haleakala, Uluapalukia, Kaupo, and Grove ranches plus various men from Kula and Makawao and the two park rangers here, someone in each group knows the lay of the land in any locality.

The Army is pleased with the progress of our group and feels that the pack mules, mounted guides and patrols will prove a great help. There has been many details to work out and we of the park have tried to do our share in all this.

020 General weather conditions

At the ranger station there have been 14 clear, 11 partly cloudy, and 6 cloudy days this month. 74 degrees was maximum occurring on the 19th, while a minimum of 40 was recorded on the 5th. Rain fell on five different days to total 2.15 inches (5 inches was recorded at our water shed). Volcanic fumes and dust filled the air on the 4th 5th and 11th.

Rainfall at the summit was 2.57 inches.

*Notes
043*

200 Maintenance improvements and new construction 220 Improvements

The work of planting grass on the roads left by the U. S. Engineers is nearing completion.

300 Activities of other agencies in the park 320 Cooperating governmental agencies

The installation of all army equipment, shelters, buildings, etc. is complete. A small crew is to remain until June 6th to do clean up work and finish a few odds and ends.

400 Flora, fauna, and natural phenomena 560 Birds

The plovers left for their northern breeding grounds during the first week in May.)

500 Use of the park by the Public 520 Visitors

Brigadier General Redmond F. Kernan visited this area this month.

As previously mentioned Lieutenant General Delos C. Emmons also visited the park this month.

600 Protection 640 Destruction of predatory animals

Twenty one (21) goats were killed in the crater this month. The trips into the crater are now being made at least once each week. Since the arrival of Joseph Rodrigues, laborer, Ranger Plunkett has been free to make more trips.

Frank A. Hjort
Frank A. Hjort
Ranger in Charge



*to W.D.H.
Monthly Report*

June 6, 1942

MEMORANDUM for the Superintendent:

Subject: Report of the Hawaiian Volcano Observatory for May:

The month opened with Mauna Loa in eruption. By the morning of May 2, the front of the lava flow which had started on April 28 had widened considerable and the rate of progress greatly diminished. The eruption continued until May 10 though from May 6 on outpourings were largely confined to the barren waste land of the upper 6 or 7 miles of the flow area. Smoke was still visible over the flow on the last of the month.

The distance from the uppermost part of the April 28 eruption source to the farthest point reached was about 17 miles. When movement at the flow front ceased it was but $3\frac{1}{2}$ miles from the Kaumana flume of the Oloa Sugar Company. The new flow covered part of the drainage area of a lateral feeder of this flume. Rains were common during the eruption and the water in this lateral feeder was soon contaminated with creosote and other products of burned and partially burned vegetation.

Aside from the destruction of a large forested tract damage was confined principally to grazing land.

The area covered with new lava was roughly 5 square miles. An estimate of the volume of the flow is hard to make without a reasonably accurate map, rough calculations, however, indicate that it was about 2,000,000,000 cu. ft.

Kilauea continued inactive during the Mauna Loa outbreak. Several large landslides from the northern walls of Halemaumau probably resulted from the many earthquakes which occurred during the first two days of the Mauna Loa eruption.

Some of the quantitative data obtained during the month is shown in the following table.

Week Ended	Tilt	Seismic disturbances	Seismicity
May 3	Slight WSW	539	164.25
10	" E	9	3.00
17	" SSE	10	3.00
24	" SSE	10	2.75
31	" NE	8	2.25

Work of R.H. Finch

A portion of each day was taken up with duties incident to the war. A large percentage of the first 10 days of the month was devoted to the Mauna Loa eruption. Two trips to the eruption source were made on foot: One on May 5-6 was to make observations on the source and to investigate the status of the lava flow. Another on May 21-22 was to ascertain the nature of the smoking along the flow and source area. The smoking was of the type usually observed just after flowing has ceased.

The Volcano Letter for the last quarter of 1941 was completed and sent to the printer. Seismogram measurement was kept current.

Work of B.J. Loncks

Aside from seven 24-hour periods of guard duty and general supervision of changing seismograph and shop routine the principal time consuming jobs were as follows:

May 1-11	Overhauling pit seismograph	40 hours
12	Trip to Hilo to get freight, etc.	8 "
13	Unpacking and checking shaper castings, blue-prints, etc.	6 "
15	Trip to Olaa Mill and Hilo	6 "
19	Trip to Hilo to get shafting and supplies	8 "
16-22	Worked on shaper castings	30 "
25-31	" " Seneca Falls laths	41 "

R.H. Finch

R.H. Finch
Volcanologist

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

MONTHLY REPORT OF CAMP DIRECTOR HERBERT R. RENNIE TO PARK SUPERINTENDENT
EDWARD G. WINGATE FOR THE MONTH OF MAY, 1942.

Five boys were enrolled during the month while thirty-seven boys were discharged.

The entire month was utilized to the utmost with the following objectives:

1. To get Pohakuloa functioning with the least possible delay.
2. To get Pansewa established as a main camp so that supplies and materials from the Volcano Camp could be housed there.
3. Ascertain and obtain necessary supplies and materials for an increased number of enrollees plus the additional problem of replacing gloves, shoes, and clothing which are wearing out faster at Pohakuloa than at Pansewa due to the nature of the work.
4. Getting the office for Headquarters in the Federal Building functioning smoothly.

The procuring of gasoline and rations from Kamuela instead of at Hilo was worked out satisfactorily with Colonel Ferris of G-4. By obtaining them at Kamuela, a saving of 60 miles of hauling is saved. The gasoline is being issued to the camp by the Army and is being rationed at 500 gallons per week. Three 16' x 20' portable buildings and flooring for 25 tents were obtained from the Army Engineers for Pohakuloa. Two buildings have been started by Foreman Halaguchi and are to be used respectively as cook's quarters and dispensary. The addition of these buildings and flooring will assist materially in the housing set-up.

New shoes and gloves were sent up twice during the month and a shipment of 312 shoes from Honolulu was received on Sunday, May 31. After checking, a new supply of shoes will be sent up on Tuesday morning.

A branch Army Post Exchange was started on Saturday, May 23, and has proven very satisfactory. All transactions are strictly cash with the inventory being taken by an Army officer.

Mechanical difficulty for a few days was experienced by not having the mechanic stay continuously at Pohakuloa, but this was due to him coming down every other day for a period of a week to get his supplies and

equipment from the Volcano Camp. He is staying permanently now at Pohakuloa and so all equipment there should be kept in good running order outside of actual breakdowns. A request for the hiring of another mechanic for Panaewa has been forwarded to Honolulu and approval for same has been approved for inclusion in next year's budget.

Medical attention is excellent with the stationing there of Joseph A. Radecki, 1st Lt. M.C. The idea of having our own medical supervision is advocated by Division Headquarters and correspondence with Mr. Pesonen has been effected. It is proposed to put a competent first aider at Pohakuloa with periodical trips by Dr. Phillips. Mr. Pesonen claims that he has a first class enrollee at the Maui Camp who can be transferred here for the job.

Some difficulty in not portioning out properly the Army rations was encountered by Chief Cook T. Kin Au, but he has within the past week gotten hold of the idea that he has to cook the Army way and is doing so. Dr. Phillips and Lt. Radecki reports that 2nd Cook Edward Haili is always dirty and the necessary steps are being taken to clear this matter up.

The working morale of the boys is high with excellent progress being shown on the road job.

PANAWEA

Three new 16' x 40' portable buildings were obtained from the Army and were put up to be used namely: two for barracks and one for a clothing storehouse.

The messhall addition was started so that the feeding of the entire camp at one sitting could be done.

The Army search-light unit has taken over the entire garage building leaving the camp with no garage space. If feasible steps should be undertaken to see if some other arrangement could not be worked out so that the camp could at least have some garage space.

The obtaining of gasoline for Panaewa was negotiated and obtained from the U.S.E.D. No funds will have to be expended for gasoline except at the Volcano Camp.

The excessive discharges experienced has been more or less brought about by more lucrative wages on the outside plus boys from the Kona district wanting to return home to work in their coffee fields. Some dismissals were given to those who ran away AWOL, this was due to being brought back from KP duty and not liking the idea of pitching in and doing a days work at Panaewa.

GENERAL

All enrollees who had been out on Army KP duty have all been returned with the exception of 21 enrollees assigned to KMC. It is most gratifying

to have this happen as much adverse criticism had been directed against the CCC as a whole for lack of control in allowing enrollees to be loafing around Hilo at all times. Proper supervision can now be maintained.

To decrease AWOL's an order was issued to all enrollees stressing the fact that anyone going AWOL without proper leave would be turned over to the Provost Marshall for action. This has gotten the desired results.

Taken as a whole the satisfactory results obtained on the road projects and at the Airport has been very stimulating considering the very trying days of readjusting the entire camp personnel to the new order of things.

At a meeting held at Colonel Lockridge's office with Mr. Hales of the U.S. Employment Service, the problem of apprenticeship was taken up. It was Mr. Hales idea of starting up an apprenticeship course under the sponsorship of the U.S.E.D. This would have meant that the USED would hire boys teach them some trade along with their work and pay them more than they could possibly get in the CCC. Such an idea would naturally spell doom to the CCC as all concerned now are only thinking of large wages. The idea of trying to tie in this apprenticeship program with our job training program was of the intention to get young boys into the CCC which is a going organization and obtain a two-fold purpose, that of doing our part in line with defense and secondly of assisting young men of the community who are naturally potential workers here.

It is requested however that due to war conditions, that some definite course of action be taken stressing the importance of getting jobs done on certain defense objectives, rather than training. This would entail proper working supervision which in itself is training sufficient to instill in every enrollee the paramount idea of being a good conscientious worker. The excellent results on the progress of the Humuula road project is in itself sufficient proof that the boys there are being taught how to do a good days work.

In closing may it be emphasized that notwithstanding the adverse criticisms from outsiders and even individuals in the organization, ~~the~~ the CCC as one unit has pitched in and tackled the job that it was given to do.

Respectfully submitted,

Herbert R. Rennie
Herbert R. Rennie

P.S. Progress + Percentage of projects listed on Monthly Progress Report

HR

MAY 1942

POHAKULOA SIDE CAMP

M. Wingate

MONTHLY REPORT TO CAMP DIRECTOR HERBERT R. RENNIE

I herewith submit my report for the month of May, 1942. We arrived at Pohakuloa on April 29, 1942. After looking over the camp I found it in very poor sanitary condition. Two days was spent in general clean up, principally burning and burying sheep and hog carcasses.

Friday, May 1....We started work on our Minor Road Military (516A). This type of work was new to the enrollees but they are all eager and forging ahead, let me add here morale among the boys is high.

1st. Lt. Radecki, M.C. and his three assistants joined us here at Pohakuloa on May 15, 1942. He is performing an excellent job. Sanitation of our camp is completely in his hands, let us hope he can stay with us.

Superintendent Edward G. Wingate, Hawaii National Park, paid us a visit on May 11, 1942. Mr. Wingate and the writer went out on the road project. Mr. Wingate gave us some sound constructive advice pertaining to our road project.

Camp Director Herbert R. Rennie, HNP-1, throughout the month paid us three visits. Camp Director Rennie is doing all within his power to procure shoes and gloves for our boys on the job, these are the articles we need most. During his visits he conducted two informal fireside meeting, which proved very interesting. Foremen present were Junior Foreman Enos, Junior Foreman Pavao, Junior Foreman Halaguchi, and Cook Tai Kin Au, and the writer.

Major General Ralph McT Pennell and aide paid us a visit on May 14, 1942. He inspected our road project, He complimented the boys on what they had accomplished to that date. After lunching with the writer, the General left. The following day Lt. Colonel Burns and staff inspected our project. He also complimented the boys on the fine job they were doing.

Work on the Road Project is progressing very satisfactorily. We are a little slow with our cinder fill behind, but should we be able to procure four more Dumps, the cinder situation would be ironed out. At this date, May 30, 1942 we have completed 16,200 feet of sub-base and 8700 feet of road completed.

Throughout the month three meeting were conducted by the writer. Two of the meeting were on Safety, and one was administrating Camp Rules and Regulations.

Respectfully submitted,

Samuel Milne
Project Superintendent,
Side Camp Pohakuloa .

SM/mn

llw
North's report
6/6/42

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

June 6, 1942

MEMORANDUM FOR THE SUPERINTENDENT:

SUBJECT: Activities of the Ranger Division during the Month of May.

000 General 010 Introduction

The main efforts of the Ranger Division went into work aimed at protection of lives and property in the park in case of war emergencies, supervision of guard work, preparation of evacuation areas, outfitting a casualty dressing station, and participation in the Hawaii Rifles program were major steps taken to enable us to cope with unforeseen events.

200 Maintenance

Installation of the emergency power unit was nearly completed. Work on this is being continued.

A telephone was installed in the headquarters air raid shelter but was later removed because of the effect of steam in causing a short circuit.

Saddle equipment was gathered from the CCC and park warehouse and removed to the saddle room. There it is being overhauled and put into condition for possible emergency use.

Firearms in use by the guards were cleaned and maintained.

300 Activities of other agencies in the park

The Hawaii Rifles program was participated in by all qualified personnel. Instruction by qualified army instructors has proved of great benefit in the training.

400 Interpretation

One lecture was given at Kukui Camp to 200 soldiers. The 1940 eruption pictures were shown.

430 Research

Several bird census counts were taken.

600 Protection

Guard posts were manned at the Hilo entrance, park pump house, park headquarters, and the FCC cottage.

A casualty dressing station for use by those in the park area was outfitted with cots, litters, and first aid supplies. The quarters were blacked out and the concrete basement barricaded to serve as a bomb shelter. Mrs. C. W. Miller was put in charge of the station.

Evacuation areas were selected for emergency use by park families and visitors. A water supply was cached at these places.

The regular quarterly fire inspection was made. ✓

Eight wild pigs were destroyed.

Paul H. Baldwin

Paul H. Baldwin,
Acting Chief Ranger

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

May 31st, 1942

Memorandum to the Superintendent through the office of the A'ctg. Chief Ranger

Subject: Narrative report for the month of May.

Routine

My activities for the month were regular assignments at 24 hour duty, guard mount, standing guard on post, etc.

Miscel. Elect

A number of telephone repairs were made during the month, both line and instrument. The park telephones at the dynamite cache and the CCC Camp were removed and placed in storage in the headquarters hot room. A telephone was installed in the bomb shelter adjacent to the Park Headquarters, but was removed due to dampness from steam crack, which caused a short circuit in the entire system. The auxiliary power lighting plant placed in the headquarters garage was wired to the building circuit for emergency use. This plant has not yet been tested, because of shortage of one storage battery. The maintenance department has been notified to make a replacement.

Saddlery

I secured a considerable amount of heavy work harness, army type saddles, pack saddles and odd pieces of saddlery from the CCC Camp during the month, these were turned over to the Park Game Warden. Most of this equipment is slightly used, but is in sad need of attention. Each piece should be treated, parts assembled into units and properly stored ready for immediate use.



Charles W. Miller
Ranger

*Noted, 6/1/42
A.B.*

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

June 3, 1942

MEMORANDUM FOR THE SUPERINTENDENT:

Through the Chief Ranger,
Park Warden - A. B. Medeiros

SUBJECT: Daily Report for the Month of May, 1942

May 1 to 3	Park work at Hilina Pali
May 4 and 5	Off duty
May 6	Guard duty - Park post
May 7 and 8	Trip to Mauna Loa with Capt. Boyer, Honolulu Signal Corps, U. S. Army
May 9	Guard duty - F.C.C.
May 10	Park work at saddle room repairing riding and pack equipment
May 11	Guard duty - Park post
May 12	Guard duty - Park post
May 13	Park work at saddle room repairing pack equipment
May 14	Off duty
May 15	Guard duty - Park post
May 16	Guard duty - Park post
May 17	Military training
May 18	Park work at saddle room- checking riding and pack equipment from C.C.C.
May 19, 20, and 21	Office duty
May 22	Park work - collecting water containers for Maunua and 6,000 Mauna Loa, Evacuation locations. Also took horses from horse corral to 6,000 Mauna Loa.
May 23 and 24	Park work - hauling water for evacuation locations at 6,000 of Mauna Loa
May 25 and 26	Office duty
May 27	Park work - hauling water to Maunua evacuation location
May 28	Park work - at the park warehouse repairing riding equipment, and at the horse corral checking mule team harness received from C.C.C.
May 29	Park work at the horse corral assembling mule team harness. Also office duty
May 30	Office duty
May 31	Military training

A. B. Medeiros

A. B. Medeiros
Park Warden

*Medeiros
A.B.*

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

June 1, 1942

Memorandum for the Superintendent Edward G. Wingate.

Subject: Routine maintenance and jobs thru work order; for month of May, 1942.

1. New Guard House built for Hilo entrance.
2. Olson's furnitures moved to Hilo.
3. New laundry tray installed and water tank pinning repaired, quarters #28 (Mr. Finch).
4. Wood stove heater installed at Quarters #7 (Baldwin).
5. Hot water system rearranged at Quarters #5 (Hewitt).
6. Puu Koa sand flat plowed.
7. Part of CCC supplies and materials hauled to park from CCC Camp.
8. Casualty station blacked out and arranged, Qtrs. #18, (through Acting Chief Ranger Baldwin).
9. Rock crushed for road repair.
10. Electric stove installed and linoleum laid at quarters #2, (Higashida).
11. Flano stove removed from quarters #2 and installed at quarters #24, (Hauanio, Sr.).

Sadaichi Kawasaki
Sadaichi Kawasaki
Acting Foreman

10-23
(May 1929)

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

FILE NO.

MONTHLY REPORT

APRIL 1942

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

May 23, 1942

MEMORANDUM for the Director:

There follows our report of activities for April.

Introduction

Mauna Loa volcano erupted at the northernmost end of the summit crater shortly after 5 p.m. April 26, with the usual brilliant fountaining display and sending one or more flows of lava down the northern slope. The eruption was not observed until about 7 p.m., because the mountain was completely obscured by clouds until that time. Seismograph records gave the approximate time of the actual outbreak.

Local authorities were immediately notified in accordance with an agreement made two months before, when we reported to them the probability of a Mauna Loa eruption this summer. It was not considered desirable to give publicity to the eruption as the towering smoke column reflecting the light from the fountains made a fine beacon.

Gunnar Fagerlund and Burton Loucks left about midnight on foot for the Puu Ulaula resthouse to make observations on the ground of the source activity. By 2 a.m. on the 27th the summit activity ceased, but the numerous felt and instrumental earthquakes indicated further activity within a short time, so they were instructed to remain on the mountain. This outbreak occurred about 4:40 a.m. April 28 from a fissure some $\frac{3}{4}$ of a mile in length on the northeast rift about 2 miles northeast of Puu Ulaula and somewhat on the northern side of the divide at an elevation between 9,000 and 9,600 feet. This eruption sent an aa flow down the northeast slope in the direction of Hilo, partially on and to the south of the 1852 flow. The rapidity of the flow, which moved some 15 miles in 3 days, was the cause of much concern. Observations were severely handicapped by a spell of bad weather, the almost inaccessible terrain, and shortage of men, who could be relieved from other duties to observe the progress of the flow. The observations that were made were at best very sketchy and for some time there was considerable doubt as to the location of the front of the flow, its rate of progress and exact course. It was known to have reached a point where further progress would have caused considerable damage.

Upon our recommendation, the Military Governor, Hawaii District, approved experimental bombing of the flow channel high up in an attempt to divert the flow near the source and rob the front of its supply. On the morning of May

1, Messrs. Finch and Jess made observation flights over the flow, selecting 2 targets, and the bombing was immediately carried out, though it was necessary to use the secondary target since clouds had already hid the primary objective. The flights and bombing were done by the Army Air Corps, and succeeded in diverting one stream, but this, as was expected, coalesced with the main stream lower down because of the topography. Finch and Jess were with the planes when the bombing was done.

The bombing experiment may be considered successful because it proved that by this means in favorable terrain an aa flow might be diverted by breaking through the confining walls of the main channel.

The flights also disclosed the danger to property was not as imminent as previous fragmentary observations indicated. Therefore no further bombing attempt was made, but a close watch was kept on the activity as the flow was definitely threatening.

On May 4 the rampart surrounding the main source fountains was breached and a new lava river started. This natural diversion reduced the pressure of the front of the flow and from this time on the forward progress rapidly slackened.

The activity came to an end sometime on the morning of the 10th. The absence of any earthquakes since is somewhat puzzling and may indicate the lava column has not yet receded.

Besides those already mentioned, the following park employees made reconnaissance trips to the source and flow regions: Finch, Baldwin, Miller and Wingate. The Army relieved Lt. P.E. Schulz, former junior geologist in the park, for several days, in which he made a most difficult trip in to the flow front. The US Engineers released Arthur L. Jess, who had just been transferred to them from our staff, to survey a line to locate the flow. After 2 days of extremely hard work in which he was able to cover only $2\frac{3}{4}$ miles, he located the front of the flow at a point S 10° W, $3\frac{1}{8}$ miles from Olaa Middle Flume House.

The flow bore out predictions made by Jaggar in 1936, and Finch in the Superintendent's monthly reports for February and March 1942, from which the following (not included in the Superintendent's report for that month) is quoted "If Mauna Loa erupts within the next several months, as seems probable, the indications point to a flank eruption from the northeast rift."

Apart from the eruption the month was made rather trying because of several aggravating cases requiring investigation and action locally. Irregular and inadequate school programs, restriction on normal forms of recreation, etc., are leading to an increase in delinquency. There were numerous requests for assistance of various kinds besides the island-wide registration and fingerprinting of the entire population and Fourth Registration for Selective Service which placed added burdens on the staff.

Weather Conditions

Total precipitation at Kilauea amounted to 5.45" and at the Haleakala ranger station 2.93". Maximum and minimum temperatures were 71 and 46 degrees at Kilauea, and at Haleakala the ranger in charge reports frost at the ranger station on the 6th and 7th. A trace of snow was visible on Mauna Kea at the end of the month.

Special Activities

The superintendent made inspections in the Hilina Pali area on the 1st, 8th, 11th, 13th and on the 15th he made a foot trip from Uwekahuna to Hilina Pali through the Kau desert. The Ainahou ranch section was visited on the 14th. On April 23 he conferred with Delegate King in Hilo regarding evacuation of park families and other matters, and from there went through the Puna District making arrangements in the various communities for the Fourth Registration, Selective Service. He supervised the registration at park headquarters on the 25th and at Olaa on the 26th and 27th. He was in Hilo at various times for conferences on matters related to park activities.

Inspections

COC Field Supervisor E.A. Pesonen of Honolulu arrived on the 30th to make an inspection of this camp. While he was here arrangements were completed for the transfer of the camp, where Project Superintendent Milne will be in charge. Mr. Rennie, Camp Director, will maintain the camp office in Hilo.

Boundary Changes

Local newspapers carried items that a hold-over sub-committee of the Territorial Legislature had scheduled a meeting to consider the proposed exchange of the Maniloa Hotel property in Hilo (formerly the Hilo Yacht Club, which lease was bought by Territorial Senator W.H. (Doc) Hill a few years back) for 10,480 acres of land at Kamoamoa, Puna District, on which Senator Hill had secured an option last year. The land would then be added to the Hawaii National Park, in accordance with provisions of Act of Congress authorizing the Kalapana addition. However, the committee after hearing all the evidence in the case, opposed this proposed exchange. The Territorial Land Commissioner, L.M. Whitehouse, was said to have given the committee assurances that action on the exchange plan would be held in abeyance until the next session of the legislature.

General Publicity

The March 16 issue of LIFE carried a full-page spread of pictures of the posters put up throughout Hilo by the Hilo Junior Chamber of Commerce in their "anti-rumor" campaign.

Maintenance

Work was continued at Haleakala on obliteration of the areas which had been torn up for construction work by the US Engineers. The ranger in charge reports one road had been sodded and the area where the concrete mixer had been located has been planted.

All the power and telephone lines at Haleakala, which run to and from the various park buildings, are now underground and the pole lines removed.

New Construction

At Haleakala a natural stone sidewalk was constructed, leading from the main road to the ranger's quarters.

The CCC reports that job 77, Seismograph Cellar and Terrace at the Volcano House is 75% complete. However, the terrace itself is finished.

Cooperating Governmental Agencies

CCC - The camp director reports 27 boys were enrolled and 20 discharged.

On the 18th a luan, celebrating the 9th anniversary of the CCC, was held at the camp.

It was necessary to quarantine the Panaewa camp because of mumps during April.

Kenneth O.S. Kim, CCC clerk-quartermaster, was transferred to the regular park rolls as warehouseman on the 16th.

On the 29th a group of 30 enrollees, a cook, foreman and the project superintendent started on its way to another part of the island to establish a camp for work on projects requested by the Army. The entire camp, with the exception of a foreman and 20 enrollees and those working out of Hilo will be moved to the new location.

At the request of the US Engineers office in Hilo approval was given by this office for the release of several of our employees to the Engineers for the duration. These men are: Principal Engineering Aide A.L. Jess; Assistant Chief Ranger Gunder E. Olson; Park Foreman Herbert J. Quick; and Clerk-accountant James A. Choffe.

Cooperating Non-governmental Agencies

Between April 9 and 17 registration of everyone on the island from the ages of one day on up was undertaken. This registration consisted of fingerprinting all persons above the age of 6 years and gathering certain information, issuing of identification cards; classifying them as to race, and whether alien or citizen. Several park employees assisted in the registration in this district. They were Mrs. Margaret Finch, Mrs. Constance Hewitt, and Messrs. James A. Choffe and James K. Higashida. This registration was done under authority of Act of the Territorial Legislature and Proclamation of the Military Governor.

Research & Observation

The ranger in charge of the Haleakala section reports that the silverswords in the crater are starting to bloom again but from evidence thus far the blooming will be on a small scale and over widely separated areas. A small patch of red-flowered native Geranium (*Neurophyllodes arboreum*) was discovered within the park boundaries on Waikamoi stream near and east of Pun Nianiau. The only other patch known to be in existence is in the first stream on the west side of Pun Nianiau and just outside the park boundary. Since this plant is very rare and according to botanists on the verge of extinction it is very fortunate that it has been found inside the park boundaries, where it can be protected.

Local newspapers carried articles regarding the transfer of certain inventions of the Hawaiian Volcano Research Association (the work to a large degree of Dr. Jagger) to the Navy; as part of the organization's wartime activity. Six memoranda on the association's expeditions to areas in the war theater have also been sent to the geographical officers of war services in Washington, for their information.

Visitors

Delegate to Congress Samuel W. King, who is in the Islands in connection with defense problems, passed through the park on the 19th on his way around the island.

Wildlife Protection

On April 10-12 Park Naturalist Fagerlund and Park Ranger Baldwin made a field trip to Pauwaawaa ranch for the purpose of finding out the number of native Hawaiian Goose (*Nesochen sandwicensis*) in that general locality and their accessibility. On April 18 Mr. Herbert Shipman was interviewed by these men regarding the problems of raising nene in captivity; as he has a flock of some 25 birds, and has been raising them for about 20 years. These trips were made as the result of a request for information from your office regarding the feasibility of obtaining several pair of nene for evacuation to the mainland so there would be no danger of possible extinction of the species in the event of invasion of the Islands, or because they might be used as a source of food supply in an emergency.

Forest Fire Protection

On the 29th a small grass fire occurred in the Hilina Pali region, covering an area of approximately 0.05 acre. This was caused evidently by soldiers traveling in that locality, one of whom apparently threw away a burning cigarette stub.

Public Health

Immunization of the entire population of the Territory against smallpox, typhoid and para-typhoid was started the latter part of April.

Police Protection

Upon investigating a report that a light had been seen in Dr. Jaggars' cottage (the Jaggars have been in Honolulu for the past several months) it was found that the attic had been broken into. It was later reported that another part of the house had been entered. A check was made and apparently nothing had been taken.

Miscellaneous

Because of war conditions there is a movement under consideration to do away with the primary elections in the Territory this fall; though it is planned to hold the usual general elections.

Newspaper articles have appeared from time to time to the effect there is no shortage of food in the Territory. This might be the case in Honolulu, but on this island there have been and are shortages, reported by local housewives, of butter (which we did without for some 6 weeks); any kind of breakfast food - of which there is none to be obtained at the present writing - bacon, ham and other miscellaneous items which are not as essential, such as onions, chocolate in any form, grapefruit juice, oranges, etc. Eggs are 68¢ a dozen at a time when normally they are usually much cheaper. However, these are aggravating at present, rather than serious.

The Fourth Registration for Selective Service was held April 25 through the 27th. A registration station was set up in the park administration building to care for the local men, on the 25th only. Mrs. Margaret Jess and Miss Valda Milne acted as registrars.

Miss Elizabeth Decker, junior clerk-telephone operator, submitted her resignation the latter part of the month; as she planned to be married in Honolulu the first part of May. William Peleiholani was appointed laborer in the Kilauea section and Joseph Rodriguez also received a similar appointment in the Haleakala section.



Edward G. Wingate
Superintendent

cwh

*100
Hawaii*

May 12, 1942

MEMORANDUM for the Superintendent:

Subject: Report of Hawaiian Volcano Observatory for April

The expected eruption of Mauna Loa began on April 26 when lava fountains appeared in Mokuaweoweo and near its northern end. The principal feature of the summit eruption was a lava flow from a source just outside Mokuaweoweo that coursed a few miles down the northern slope of the mountain. The outbreak was obscured by clouds until 7 p.m. though the seismographs indicate it began a little after 5 p.m.

By the morning of April 27 the summit eruption was about over and perceptible earthquakes had become frequent. The strongest shake of the series at 10:41 p.m. damaged the Mauna Loa seismograph which is about 6 miles from the epicenter. It is probable that the cracking of the northeast rift reached the surface during this quake for a few hours later - about 4:40 a.m. April 28 - a series of lava fountains issued from a crack $\frac{3}{4}$ of a mile on the northeast slope of Mauna Loa at an elevation of 9200 feet.

The lava progressed down the mountain quite rapidly and by 10:30 a.m. had crossed the Puu Oo trail about 6 miles from the source. The flow moved in the direction of Hilo and the progress of its front was watched with some apprehension for a few days. The US Army Air Corps, under the direction of Lieut. Col. Tindal, prepared to bomb the flow in its upper reaches with a view of diverting a lava river into another channel and thus make a series of rather short flows instead of one long one.

Observations of the front of the flow were difficult owing to its location in a dense jungle and to its being obscured by clouds most of the time. Transit observation by Park Engineer A.L. Jess indicated that the front progressed over 2 miles from 7:30 a.m. to 8 p.m. April 30. On May 1 A.L. Jess and the writer in an Army airplane piloted by G.L. Kelley selected sites for bombing. Before a return trip could be made clouds hid the most desirable location. A few 600# bombs were dropped on the higher of the selected sites. One stream was diverted by a bomb but soon returned to its old channel. Preparations were made to use 2000# bombs. Airplane observations by A.L. Jess on the morning of May 1 showed that the front of the flow had greatly widened in 24 hours and that it was at least 25 feet thick. This observation lessened our apprehension even though the front was about $3\frac{1}{2}$ miles from an important flume of the Olaa Sugar Company.

During the evening of May 4 the cinder rampart surrounding the main source was breached and a new lava river started. The natural diversion accomplished what we hoped to do by bombing if it had been necessary. Shortly after this natural diversion all lava streams made short flows 6 miles or less in length.

The effect of the outbreak of Mauna Loa on weekly seismicity is striking shown in the following table of some of the quantitative data obtained during the month:

Week Ended	Tilt	Seismic Disturbances	Seismicity
April 5	Slight ESE	18	4.50
12	" WSW	15	4.00
19	Very slight WNW	12	4.50
26	" " SSW	281	72.75

Work of R.H. Finch

The duties incident to the war lessened considerably during the latter part of the month. Seismological routine was kept current until April 26. More material was taken out of the old basement as the Army desires it as an emergency office. The Volcano Letter for last quarter of 1941 was nearly completed.

Work of B.J. Loucks

Considerable work for the Army was done during the month. Several of the Army personnel used the shop facilities during the month. Following is an itemized list of some of the more time consuming jobs.

Watch shop and tools	7 hours
Installing telephone	1 1/2 "
Measuring temperatures and cracks	4 "
Radio parts and plans	3 "
Overhauled multimeter	3 "
Making lathe attachments	1 1/2 "
Adcock for Signal Corps	17 "
Cutting down commutator for Signal Corps	2 "
Overhauling and installing big lathe	44 "
Making mount for 50-calibre machine gun	24 "
Trip to Mauna Loa	April 27 and 28

R.H. Finch

R.H. Finch
Volcanologist

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



Weiluku Maui
May 5, 1942

Memorandum to Superintendent Edward G. Wingate
through the office of the Chief Ranger.

The following narrative report of the Haleakala Section for the month of April, 1942 is respectfully submitted.

000 General 010 Introduction

The silversword plants in the crater are starting to bloom again but from all evidence thus far found the blooming will be on a small scale and over widely separated areas.

A small patch of Red-Flowered Native Geranium (Neurophyllodes Arboreum) was discovered within the boundaries of the Park on Waikamoi Stream near and east of Puu Nianiau. The only other patch known to be in existence is in the first steam on the west side of Puu Nianiau and is just outside of the Park boundary. Since this plant is very rare and according to botanists on the verge of extinction is is very fortunate that it has been found growing inside the Park boundaries. It can now be protected and watched over.

020 Weather

Nothing unusual has occurred in the weather here this month. At the Ranger Station there has been 22 clear, 5 partly cloudy, and 3 cloudy Days this month. Rain fell on four different days to total 2.93 inches. The Maximum was 74 on the 28th and the minimum was 39 on the 2nd. At the summit 0.32 inches of rain fell.

100 Administration 140 Labor situation

Joseph (Joe) Rodrigues was hired as laborer on the 3rd of the month and has been hard at work every since. Joe's presence has left more time for the rest of the gang here to carry on work in the crater and to attend to various defence matters.

200 Maintenance, Improvement and New Construction 220 Improvements.

A new natural stone sidewalk has been constructed from the road to the house at the Ranger's Residence.

All the power and telephone lines running to and from the various buildings here are now under ground and the old pole lines have been removed. Telephone service to Paia is now through the underground Army cable as far as the Army camp at Puu Nianiau and from there is on poles to Paia.

A great deal more work has been done on the planting of the areas torn up by the U. S. engineers. One road has been sodded down and the largest area where the concrete mixer for the dam was located has been planted.

600 Protection Destruction of predatory animals

20 goats were destroyed this month in the crater

Frank A. Hjort
Frank A. Hjort
Ranger in Charge

MEMORANDUM FOR THE SUPERINTENDENT

(Through Chief Ranger)

SUBJECT: Park Warden's Daily Report for the Month of April, 1942.
Antone B. Medeiros.

April 1--to--5--Guard duty at Hilina.

April 6--Guard duty at Hilina, and park work, hauling water to Halape from Hilina.

April 7--Off Duty.

April 8--to--18--Guard duty at Hilina.

April 19--Guard duty and park work, shoeing park horses at Hilina.

April 20--Off Duty.

April 21--to--30--Guard duty at Hilina.

Antone B. Medeiros

Antone B. Medeiros.
Park Warden.

May 18, 1942

MONTHLY REPORT OF CAMP DIRECTOR HERBERT R. RENNIE TO PARK SUPERINTENDENT EDWARD G. WINGATE FOR THE MONTH OF APRIL, 1942

Twenty-seven boys were enrolled during the month while twenty boys were discharged.

A luau was celebrated on April 18, 1942 in Commemoration of the 9th. Anniversary of the CCC and also for the completion of the new recreation Hall. A very enjoyable program was enjoyed by the enrollees and the few visitors present.

Movies were shown twice weekly with the last movie being shown on April 24, 1942.

Two Safety Meetings were conducted by the Project Superintendent.

Mr. Pesonen Field Supervisor made an inspection trip during the last part of the month; his report covers the inspections made.

A satisfactory arrangement has been made with Mr. Hales of the Employment Office in connection with the hiring of enrollees by outsiders. He stated that his office would not give jobs to any one who was connected with the CCC unless they had been properly released.

The health of the boys as a whole is very satisfactory. Quarantine of the Panaewa Camp due to mumps was lifted on April 25, 1942.

A group of 50 enrollees, one cook, one foreman with the Project Superintendent started on the way to establish a new Camp at Pohaku-
loa, Hawaii, on April 29, 1942.

The Morale of the enrollees in connection with the road project is very high and satisfactory results are expected.

The expected return of more enrollees who are out on K.P. duty is very gratifying.

Jobs Report:

30 man days were used on the Seismograph Cellar and Terrace making this project 75% completed.

218 man days were used on Utility Connections making this project 63% Completed.

485 man days were used on Camp Repairs making this project 50% completed.

28 man days were used on Water Storage and Main making this project 50% completed.

249 man days were used on Nurseries (Hilo) making this project 49% completed.

(2)

1120 man days were used on Landscaping Undifferentiated.

333 man days were used on Field Planting or Seeding(trees Airport).

1783 man days were used on Kitchen Police Duty(Army Posts).

542 man days were used on Stevedore Work(Army).

239 man days were used on Walks-Gravel.

388 man days were used on Fire Hazard Reduction(Airport).

283 man days were used on Reconnaissance and Investigation-Guard
Duty.

628 man days were used on Building other.

There were a daily average of 256 men available for project work.

Respectfully submitted,

Herbert R. Rennie
Herbert R. Rennie
Camp Director, CCC-HNF

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

May 12th, 1942.

Memorandum to the superintendent through the office of the Acting Chief Ranger

Subject: Narrative report for the month of April

Routine My activities for the month were entirely military in nature, such as taking regular scheduled turn at 24 hour duty, patrol, etc.

Miscel. Numerous telephone repairs were made, which included two to and in the vicinity of Panau O.P. station. The park horses were rounded up in the area above "Six Tanks" and driven to the lower Park corral. I attended scheduled meetings of the Hawaii Rifles and drilled the members. Also, I cleaned and checked the rifles on the various guard post maintained by the Park organization and those fire arms stored in the Park arsenal.


Charles W. Miller
National Park Ranger

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

May 12, 1942

MEMORANDUM FOR THE SUPERINTENDENT

SUBJECT: Monthly Report for April 1942.

Bird Conservation Research

A field trip was made to Puuwaawaa Ranch, April 10-12, to find out about the numbers of nene in the area and their accessibility. A separate report was submitted covering this work.

Mr. Herbert Shipman was interviewed, April 18, to learn about problems of raising nene in captivity. The information obtained was presented in a separate report.

A smaller number of bird census counts was taken than called for to keep up the records, as little time was available for this work.

Other work

Guard duty, 24-hour duty, and Hawaii Rifles drill were participated in during the month.

Respectfully submitted,

Paul H. Baldwin

Paul H. Baldwin
Park Ranger

10-53
(May 1929)

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

FILE NO.

MONTHLY REPORT

MARCH 1942

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 24, 1942

MEMORANDUM for the Director:

Following is our narrative report for the month of March.

Introduction

The most important event in several months was the arrival of Major General Ralph M. Pennell, who assumed command of the Hawaii District. Lt. Col. V. S. Burton, former District Commander, was relieved and placed in charge of the Hawaii Service Command. Major Henrice Fitzgerald was appointed Provost Marshal, replacing Capt. Lorenzo Adams. Shortly after his arrival General Pennell was quoted in the local papers as stating the defenses of this island have been strengthened and further strengthening is planned.

Every possible assistance was given and is being given the military authorities without hesitation by the staff and we have reason to believe we have been helpful and that this help is fully appreciated. The Army has also assisted us in many ways and a spirit of genuine mutual helpfulness and understanding prevails. It now appears likely that many duties previously performed by the staff and local Civilian Affairs employees will no longer be necessary and a reduction in regular funds and personnel is indicated.

The park staff, CCC and semi-skilled labor from the US Engineers combined to bring the Volcano Observatory and Naturalist Building to practical completion in four days. On the 14th when this rush work was ordered by the superintendent the building was 50% finished. At the end of work on the 18th it was reported 90% complete, but was probably much nearer completion as only interior painting, laying linoleum and a negligible amount of finishing remained. The US Engineers furnished 16 men, the CCC a crew of 20 enrollees, carpenters and helpers, and the park 3 skilled men. CCC Foreman Janiak was in charge, assisted by General Foreman Quick. Ranger Jess was general inspector and coordinator. These men deserve particular mention for their effective work. The CCC enrollees previously trained under Foreman Janiak were every bit as capable as the so-called skilled men sent up by the Engineers. However, everyone gave the best they had and worked the long hours cheerfully.

Progress was made during the month in organizing and training on this island the Hawaii Rifles, a volunteer organization to be called into military service should the need arise. Most of the staff and CCC supervisory

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personnel and many local residents have enrolled in the Volcano Unit. Instruction is given by staff members with previous military training. The organization has the approval of local Army authorities.

In the early morning (about 2 a.m.) of the 4th an unidentified plane dropped a few bombs in the vicinity of Honolulu causing no damage or casualties. During the early part of the month there were a couple of other times when air raid warnings were sounded and on the 7th the Hilo radio station and others in the territory were off the air for a short time.

The routine established in December was continued with some changes made to reduce the number of employees on duty.

The following is quoted from the report of the ranger in charge of the Haleakala Section: "Everyone on Maui has been issued gas masks. Everyone has some sort of an air raid shelter. Food has been rationed for some time to the extent that we have regular ration cards. We are allowed \$2.00 worth of imported products (including all butter) per person per week. This has been more than adequate. Lack of shipping facilities to Honolulu has caused many vegetable growers to sell their produce here rather than ship it, with the result that all fresh stuff has improved in quality since the war. We all try to take an active part in home defense. Both the ranger in charge and the park warden are members of a mounted home guard, consisting of nearly everyone having a horse. Air raid sirens are installed to cover the entire island and gas attack gongs are also in place."

Weather Conditions

Heavy rains fell over the whole island during the middle of the month, causing considerable damage along the Hamakua coast; Leupahoehoe being particularly hard hit. The Volcano road was closed for a short time on the 14th because of high water.

Total precipitation at Kilauea amounted to 18.28" - a substantial increase over the preceding 3 months. Snow fell on Mauna Loa the 11th and 13th, on the latter date it was visible below the 10,000' elevation. Maximum and minimum temperatures were 69 and 41 degrees. At Haleakala ranger station the maximum and minimum temperatures were 64 and 33. Total precipitation there was 14.55", while heavy frosts occurred on 3 days. At the Pukoua Observatory there was a total of 8.09" of rain.

Special Activities

Only two inspection trips outside of the headquarters area were made: One to Hilinea Pali on the 7th and one covering the lower Mauna Loa slopes up to 6000 feet on the 30th. A number of trips were made to Hilo on business connected with the Hawaii Rifles, to confer with various officials concerning some investigations, for conferences with Army and police officers, and to Oloa for Selective Service Board meetings and business. At the CCC Camp Director's request the superintendent talked on the 29th at the camp to a group of enrollees of Japanese ancestry who had complained about apparent discrimination in work and other assignments. It seems from their changed attitude that the discussion was beneficial.

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New Construction

The seismograph cellar and terrace at the Volcano House (CCC job 77) was reported as 75% completed at the end of the month. Location survey for the 6" water supply line was completed and assistance given the CCC in supervising trench excavation and placement of the pipe.

Maintenance

The old telephone line running to the Observatory at Haleakala has been taken out since the phone is not located there any longer. The line now runs direct from the ranger station to Paia and service is greatly improved.

Improvement of Approaches to Park Area

Information regarding US Geological Survey benchmarks along the Mamalahoa Highway west of the Kau entrance was given the Territory's survey crew working in this area. They are engaged in making a preliminary survey of the section extending from the end of the Footprint area to the improved section of this road east of Pahala for approximately 6.5 miles.

General Publicity

The local newspapers carried articles regarding the fine demonstration of litter-bearing given by the CCC enrollees at our camp on March 8. Moving pictures were taken by the park naturalist. Articles also appeared in local papers regarding the promotion of former Park Ranger Arthur L. Jess to the position of Principal Engineering Aide in the park.

Cooperating Governmental Agencies

CCC - Thirty eight boys were enrolled during the month while 10 were discharged. The enrollment reached 330 so the Employment Office was requested to discontinue selection until further vacancies occurred. The number of enrollees on detached service was reduced from 97 to 51.

Major General Clarence L. Tinker, commanding the Army Air force in Hawaii, accompanied by his staff, visited the park on their inspection trip around the island.

Former territorial forester, for this island, L.W. Bryan, was promoted from the rank of captain, USA, to that of Major.

Cooperating Non-governmental Agencies

Assistance was given by the ranger division to Dr. Patterson of Oloa in the organization and training of 3 emergency first aid units. Two of the groups, which number from 8 to 12 persons, are based at Keakealani school (just outside the park boundary). One unit is based at the Glenwood Japanese school. Each group is equipped with a station wagon ambulance, litter, blankets, first aid dressings and supplies. Training has been along the lines of emergency first aid and litter-bearing.

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Donations

A very liberal donation of food was made by former Jr. Geologist and Mrs. Paul Ernest Schulz. Mr. Schulz is now a lieutenant in the Army and, being an army dependent, Mrs. Schulz has been evacuated and is now with her family on the mainland.

Lectures, Guide Service and Interpretative Contacts

One illustrated lecture was given to 400 troops in Hilo, and a guided hike conducted for 50 men during the month. More than 5,000 general information circulars were distributed to USO offices on the island.

Research and Observation

The progressive splitting of the northeast-southwest rift of Mauna Loa that was pronounced in February continued in March. In March the splitting action was first apparent (by means of seismographs) high up on the northeast rift, then under the northern end of Nokusweewoo (the summit crater), next under the southern end and finally a short distance down the southwest rift. On March 28 earthquake activity was again centered on the northeast rift.

Distinct earthquakes were experienced on March 7, 15, 16, 19, 20 and 26. The quake of March 20 was widely felt over the entire island, and caused slight damage at a few points on the west side of the island.

Ranger Baldwin reports that nene localities were visited during the month but no birds were seen. The memorandum from the Washington office regarding possible evacuation of nene in order that they would not face the possibility of extinction in case of attack was given consideration by the superintendent, Ranger Baldwin and Park Naturalist Fagerlund; and a plan evolved for obtaining a few fundamental facts needed for a satisfactory reply.

The ranger in charge at Haleakala reports the pheasants are still increasing in the park area. It is not common to flush 5 or 6 between the ranger's quarters and the garage. Mr. Hjort states "one big cock walked up to the house one evening and looked in the basement window - saw his reflection - and immediately wanted to do battle." Male plovers have started to wear their black vests again.

The Hilo Tribune-Herald of March 19 carried an article quoting from the annual report of the President of the University of Hawaii regarding the valuable work done by Dr. T.A. Jaggar, former volcanologist Hawaii National Park, now connected with the university. Excerpts are quoted: "For a number of years this university has been cooperating in a relatively small way with the Hawaiian Volcano Research Association and with the National Park Service in developing a limited program of research in volcanology at the Kilauea volcano on the island of Hawaii.... The leading figure in this research work since its inception in 1910 has been Dr. Thomas A. Jaggar... who in his 30 years of work here has established for himself a world-wide reputation as an authority on volcanology... At the present time

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the university is administering a special appropriation made by the territorial legislature for the collecting, reviewing and summarizing of all the recordings made by Jaggard and his assistants during the past 30 years."

Visitors

Mr. Larry Quinlan, Manager of the Young Hotel in Honolulu, was a visitor at the Volcano House for about 10 days in March. Mr. and Mrs. L.P. Thurston (President of the Honolulu Advertiser) visited the Haleakala Section, and were at Kilauea on the 9th and 10th. Mr. Thurston conferred with the superintendent on Civilian Affairs matters.

Ranger Service

Ranger Arthur L. Jess was promoted to the newly established Principal Engineering Aide position in the park.

Protection

The following park employees made donations to the Hilo "blood plasma bank": Messrs. Higashida, Loucks, Baldwin, Jess and Olson. All employees have volunteered.

Wildlife Protection

Twenty five goats were killed at Haleakala in March. The ranger in charge reports them to be quite numerous in the crater again, no doubt due to lack of time for control work.

Accidents

An accident, in which a soldier was killed outright and a second died at the hospital later, occurred on the Haleakala road March 5. The ranger in charge was not present at the investigation or the removal of the body and the injured man; but sent us a copy of the investigating officer's report. The injured man died without being able to give any cause of the accident and it was impossible to determine what it might have been. Driving conditions were ideal. However, the truck might have approached this particular switchback at too great a speed to have been able to negotiate the turn, or the sun might have been shining at such an angle as to have temporarily blinded the driver, thus causing him to miss the turn.

Miscellaneous

Joseph Borges, father of Park Warden Antone Medeiros, died in Hilo on the 22nd.

Information was received that Mrs. Marguerite Blasingame was one of 4 Honolulu artists winning honors in a recent art competition sponsored by the federal government. Mrs. Blasingame did the carvings over the fireplaces in the Volcano House lobby and clubroom.

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Word was received that Assistant to the Superintendent B.F. Moomaw, who was caught on the mainland at the outbreak of the war, is now a lieutenant in the Coast Artillery, and stationed in Virginia.

A \$5.00 limitation of silver coin and pennies in the possession of any individual was ordered by the military authorities. Penalty for violating this order was a fine of \$200 or imprisoned not more than two months, or both.

Edward G. Wingate
Edward G. Wingate
Superintendent

cwh

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Bill
W.W.
Monthly Report
E.G.W.*

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



Wailuku Maui
April 3, 1942

Memorandum to Superintendent Edward G. Wingate
Through office of the Chief Ranger.

The following narrative report of the Haleakala Section for the month of March, 1942 is respectfully submitted:

000 General 010 Introduction

Everyone on Maui has been issued gas masks. Everyone has some sort of an air raid shelter. Food has been rationed for some time to the extent that we have regular ration cards. We are allowed two dollars worth of imported products (including all butter) per person per week. This has been more than adequate. Lack of shipping facilities to Honolulu has caused many vegetable growers to sell their produce here rather than ship it with the result that all fresh stuff has improved in quality since the war. We all try to take an active part in home defence. Both the Ranger in Charge here and the Park Warden are members of a mounted home guard consisting of nearly everyone having a horse. Air raid sirens are installed to cover the entire island and gas attack gongs are also in place.

The accident causing the death of two of the Army men stationed at the Puu Nianiau Camp was the only thing to make this month different than any other. This tragic event, already reported by letter to the Superintendent, has had one good effect in that it has slowed down both the Army drivers and the U. S. Engineers.

020 General weather conditions

At the Ranger Station the maximum for the month was 64 on both the 3rd and 20th, while the minimum was 33 on the 6th. Rain fell on 18 days---total 14.53 inches. Heavy frosts were recorded on 8 different days. High winds occurred from the 9th to the 12th. There were 6 clear, 6 partly cloudy, and 19 cloudy days this month.

At pakaoao Observatory rain fell on 13 days to total 8.09 inches.

200 Maintenance, Improvements and New Construction. 220 Improvements

A new section of rock chimney was added to the top of the existing one on the Ranger Station Residence. Two lengths of flue lining had graced the top of the chimney as a test and since this added length made the fire place draw properly the rock work was added to give the added height and made to match the rest of the rock work in the chimney.

The old telephone line running to the Observatory has been cut off as there is no phone at that place any more. The line now runs direct from the R. S. to Paia and service is greatly improved as the upper section of the line was strung on the ground.

260 Landscape work

Work was started on replanting in the great scars left by the Army water tank road etc. It has been found that by laying strips of grass sod about a foot or so wide on one foot contours on the sloping ground that erosion is eliminated. This method was used in the Ranger Station yard and stood up under the 30 inches of rain received in February and this month. The U. S. Engineers have furnished us two men to aid in the work where they were responsible for tearing up the landscape.

400 Flora, Fauna, and natural phenomena 460 Birds

The pheasants in the park are still on the increase. It is most common to flush 5 or 6 between the house and the big garage. One big cock walked up to the house one evening and looked into the basement window---saw his reflection---and immediately wanted to do battle.

The male plovers have started to wear their black vests again.

500 Use of Park facilities by the public. 530 Visitors.

Mr. and Mrs. L. P. Thurston visited this section of the park this month but due to fog the Crater was not visible. Mrs. Thurston has never seen the Crater.

600 Protection 640 Destruction of predatory animals

25 goats were killed this month. The goats seemed to be quite numerous in the crate again---no doubt due to the lack of hunting during February.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

*deletis H.
for monthly report*

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

April 1, 1942

MEMORANDUM for the Superintendent:

The following is my narrative report for the month of March.

The outstanding event of the month was the receipt of information on the 17th that my appointment to the position of Principal Engineering Aide had been approved by the Secretary on February 4.

Special Activities

The first portion of the month was spent on general routine activities connected with the emergency police guard, telephone line and instrument maintenance, and routine building inspection. Some time was spent in connection with the organization of the local company of Hawaii Rifles, and several meetings of the officers and non-commissioned officers were attended. I assisted in range firing practice on the 9th.

Assistance was given to several officers of the local Army unit regarding local conditions, rainfall, parking areas for heavy equipment, etc. Col. Tindell and party were taken over a possible landing field site in the Kau desert area.

Inspection was made of the present fire protection system at the Volcano House and a memorandum was prepared outlining the action the operator has promised in order to comply with existing regulations.

Information regarding the US Geological Survey bench marks along the Mamalahoa highway makai of the Kau entrance was attained from the manuscript copy in the Observatory file and given to the Territorial Highway Department survey crew working in this area. They are engaged in making a preliminary survey of the section extending from the end of the Footprint area section of Route 3 to the improved section near the Kapapala ranch gate. The length of this unit is approximately 6.5 miles.

New Construction

Assistance was given in the emergency completion of the Observatory and Naturalist building. This was a rush job as the structure was needed by the Army for use as a headquarters for the local district command. Under the general supervision of CCC Foreman Janiak, assisted by Park Foreman Quick, Kawasaki, and Mr. Russell, a force of 8 carpenters, 2 electricians and 1 plumber was supplied by the US Engineer Department, work was begun on the 14th, and continued until completion ready for occupancy on the 18th. No attempt was made to lay the linoleum or to paint any of the woodwork except a prime coat on the exterior door and window casings

and trim. The cupboards and drainboards in the workroom, chemistry, and physics laboratory were omitted as well as the sinks. This material is being stored and will be installed at some later date after the building is turned back to us.

Needed materials were ordered from Hilo Electric Company, Hilo Iron Works, and Theo H. Davies Company. Delivery slips and invoices were turned over to the CCC organization for payment. A letter was prepared to be sent to the Office of the Military Governor, asking for a priority rating for the Hilo Electric Light Company, in order that they might replace their stock of items used.

A location survey for the 6" water supply line was completed and assistance was given the CCC organization in supervising the trench excavation and placement of the pipe.

Assistance was given the CCC organization in working out a plan for providing a better electric current supply for the recreation hall. This is to be done by rerouting the present feeder line, making it shorter and installing heavier wire.

The wiring was installed and telephones placed in the Observatory machine shop and Mr. Finch's new office.

Engineering

Due to a rearrangement of space in the headquarters building in order to make room for meetings and drills of the Hawaii Rifles, it was necessary to move the drafting table and desks from the ranger's office. Sufficient room for my books, papers and files was found in Mr. Moomaw's office while the Observatory drafting table was set up in the new instrument room at the Observatory. The new map cabinet was also set up in this room in order to take care of the present overflow of maps and plans.

A study of the triangulation and leveling work carried on by the Observatory staff was made in order to familiarize myself with their requirements. A number of engineering field books found at the CCC camp were turned in to Mr. Higashida to be placed in the park safe. A study of data concerning the proper location of the Mauna Loa truck trail was made preparatory to making up a tracing of this so that it could be correctly entered on our topographic maps. The same will be done for the Halemaumau-Bird Park road.

Arthur L. Jess
Arthur L. Jess

Principal Engineering Aide

April 14, 1942

MONTHLY REPORT OF CAMP DIRECTOR HERBERT R. RENNIE TO PARK SUPERINTENDENT EDWARD G. WINGATE FOR THE MONTH OF MARCH, 1942.

Thirty-eight boys were enrolled during the month while ten were discharged. Enrollment reached 330 so the Employment Office was notified to hold off selection until further vacancies occurred.

Some difficulties were incurred in the proper administration of the camp as a whole due to the fact that about 97 boys were farmed out to the various Army posts as K P's. While out as K P's, it was still necessary to keep a close check on them in order to see that clothing, medical attention, and other incidentals were properly attended to. Since then the Commanding General has issued orders that no enrollees were to be used as K P's on the tactical forces which has helped out considerably. There are, however, 51 enrollees still out on detached services to the Service Command doing K P's and stevedoring work.

In sending boys out as K P's for the tactical forces, requests were for boys other than Japanese, which at the time caused considerable embarrassment and resentment to the enrollees of Japanese ancestry. Several meetings were held both here and at Panaewa, and as a result the situation has been corrected.

The general condition and morale of the camp has been greatly improved by meetings and by closer supervisions to the duties of the various leaders and assistant leaders.

Enrollees at the main camp have had little or no illness at all which speaks very well of the general sanitation condition in the camp. Owing to difficulties encountered in the kitchen, in not being able to secure another cook and in not getting an increase pay for our present cook, the kitchen staff were not keeping the mess hall up to par.

Shows were shown twice a week during the entire month.

One trip was made to Honolulu for the purpose of assisting in surveying the supplies and equipment at the Wahiawa CCC Camp which had been closed. A number of items such as blankets, clothing, etc. had been picked out for transfer to HNP-1 as soon as shipment could be arranged.

Litter bearing program was conducted on Sunday March 6, 1942, and also a movie of the drill was taken by Mr. Fagerlund.

The First Aid in camp has not progressed as far as had been anticipated. The writer feels that the boys should not be held back on Sundays to train; they work every day, and Sunday is the only day for them to go on leave, which is strongly felt necessary to help keep up the morale.

In conclusion the writer feels, however, that the different angles stated above have been ironed out and that a more favorable report will be rendered for the month of April.

Jobs Report:

562 man days were used on the Observatory and Naturalist Building making this project 90% completed.

72 man days were used on landscape development making this project 73% completed.

84 man days were used on utility connections making this project 75% completed.

221 man days were used on seismograph cellar and terrace making this project 75% completed.

254 man days were used on camp repairs making this project 35% completed.

There were a daily average of 251 men available for project work.

Respectfully submitted,

Herbert R. Rennie

Herbert R. Rennie
Camp Director, CCC HNP

April 10, 1942.

MEMORANDUM for the Superintendent

Subject: Report of Hawaiian Volcano Observatory for March

There were no eruptions at Hawaiian Volcanoes in March. The progressive splitting of the northeast-southwest rift of Mauna Loa that was pronounced in February continued in March. In March the splitting action was first apparent (by means of seismographs) high up on the northeast rift, then under the northern end of Mokuaweo, next under the southern end, and finally a short distance down the southwest rift. On March 28 earthquake activity was again centered on the northeast rift.

If Mauna Loa erupts within the next several months, as seems probable, the indications point to a flank eruption from the northeast rift. At the request of the Army a prediction of a Mauna Loa eruption is not being published.

Distinct earthquakes were experienced on March 7, 15, 16, 19, 20, and 28. The shake of March 20 was widely felt over the island of Hawaii and it caused slight damage at a few points on the west side of the island.

Some of the quantitative data obtained during March is shown in the following table

Week ended	Tilt	Seismic disturbances	Seismicity
March 8	Slight ESE	11	5.00
15	" WNW	13	7.00
22	" E	24	15.00
29	" W	9	4.25

Work of R. H. Finch

The library was moved into one of the fireproof storage rooms in the basement of the Observatory-Naturalist building, preparatory to the Army taking over all but two rooms of the ground floor. The seismologist room on the ground floor is now occupied as the main office of the Observatory. The storage room in the basement formerly used as an office is to be used by the Army as a bomb shelter etc. Seismograph measurement was kept current. A large part of each day was taken up with affairs incident to the war.

Work of B. J. Loucks

During the latter part of the month the CCC enrollee that had been help-

ing in the shop and care of the seismographs was assigned to the CCC garage. On some of the army jobs one or more soldiers have been assigned to assist Mr. Loucks. Some of the jobs taking up considerable time were, making a lens mount for Mr. Fagerlund, standing watch at Hilo entrance, making a wire winding reel for the Signal Corps, making attachment for South Bend Lathe, and the usual routine care of seismographs. Considerable time was devoted to a new rifle company. The contact clock and auxiliary equipment was moved to the new location in the regular seismograph vault and instrument room. Some of the more time consuming jobs for each day are listed in the accompanying sheets

R. H. Finch
R. H. Finch
Volcanologist

To Mr. R.H. Finch Scientist
 Work for month of March 1942, from B.J. Loucks Instrumentmaker

		Hour
3-1	Changed Bosch seismograph	1
	Changed Uwekahuna seismograph	1
	Changed Mauna Loa seismograph	3 1/2
	Changed Barograph and Thermograph	1 1/2
	On watch Hilo entrance 4pm to 12m	8
	Work total daily	13 1/2
3-2	Changed Uwekahuna seismograph	1
	Instruction to CCC helper	1 1/2
	Brought in tilt and rainfall books from pit	3 1/2
	Sick leave	4
	Daily total	9
3-3	Changed Uwekahuna seismograph	1
	Changed Mauna loa "	3 1/2
	Measured steam cracks and kokoolau temperatures	4
	Daily total	8 1/2
3-4	Changed Uwekahuna seismograph	1
	Instruction to CCC helper	2
	Inspected Binoculars (EE 288834)	1 1/2
	On watch H E 4pm to 12m	8
	Daily total	11 1/2
3-5	Changed Uwekahuna seismograph	1
	" Mauna loa "	3 1/2
	Instruction to CCC helper	1
	Shop maintainance	1 1/2
	Threading attachment for South Bend lathe	1 1/2
	Designed lens adapter for Fagerlunds camera	1 1/2
	Time signal for master clock correction	1 1/2
	Hawaii Rifles	2
	Daily total	11 1/2
3-6	Changed Uwekahuna seismograph	1
	Instruction to CCC helper	2
	Shop maintainance	1
	Threading attachment for lathe	1
	Screw cabinet	3
	Hawaii Rifles	2 1/2
	Daily total	10 1/2
3-7	On watch H E 8am to 4pm	8
	Hawaii Rifles	2 1/2
	Daily total	10 1/2
3-8	Changed Bosch seismograph	1
	" Uwekahuna "	1
	" Mauna loa "	3 1/2
	Hawaii Rifles organization plan	3
	" " evening meeting	2 1/2
	Daily total	11
3-9	Changed Bosch seismograph	1
	" Uwekahuna "	1
	Shop maintainance	1

Work sheet #2

Date	Description	Hours	Unit
3-9	Changed Bosch seismograph	1	hour
	" Uwekahuna "	1	"
	Shop maintainance	1	"
	Donated blood to Hilo hospital	4 1/2	"
	H R NCO school	2	"
	" Officers school	2	"
	Daily total	11 1/2	"
3-10	Changed Bosch seismograph	1	"
	" Uwekahuna "	1	"
	" Mauna loa "	3 1/2	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
*	Radio equipment for H R instructional purposes	2	"
	H R N C O school	2	"
	H R radio school	2	"
	Daily total	13	"
3-11	Changed Uwekahuna seismograph	1	"
	Shop maintainance	2	"
	Instruction to CCC helper	2	"
	Radio equipment for H R	2	"
	H R NCO school	2	"
	H R Officers school	2	"
	Daily total	11	"
3-12	Changed Uwekahuna seismograph	1	"
	" Mauna loa "	3 1/2	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Radio equipment for H R	3	"
	H R NCO school	2	"
	H R Radio school	2	"
	Daily total	11	"
3-13	Changed Bosch seismograph	1	"
	" Uwekahuna "	1	"
	Cleaned up store room in observatory	2	"
	Shop maintainance	1	"
	Instruction to CCC helper	2	"
	Radio equipment for H R	1	"
	H R Radio school	1	"
	Daily total	9	"
3-14	Changed Uwekahuna seismograph	1	"
	" mauna loa "	3 1/2	"
	Cleaned Vertical seismograph clock	1 1/2	"
	Shop maintainance	2	"
	Instruction to CCC helper	1	"
	H R Radio school	2	"
	Daily total	11	"
3-15	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Threading attachment for S B lathe	2	"
	Shop maintainance	3	"
	Radio equipment for H R	1	"
	H R Radio school	2	"
	Daily total	10	"

work sheet #3

Date	Description	Hours	Unit
3-16	Changed uwekahuna seismograph	1	hour
	" mauna loa "	3½	"
	Repaired Vertical seismograph clock	2	"
	Shop maintainance	2	"
	Instruction to CCC helper	1	"
	Proof reading with Mr. Finch	2	"
	Daily total	10	"
3-17	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Threading attachment for S B lathe	3½	"
	H R Radio school	2	"
	Daily total	9½	"
3-18	Changed uwekahuna seismograph	1	"
	" mauna loa "	3½	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Threading attachment for S B lathe	3½	"
	H R drill	2	"
	Daily total	12	"
3-19	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Camera lens mount for Fagerlund	5	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	H R Radio school	2	"
	Daily total	11	"
3-20	Changed uwekahuna seismograph	1	"
	" mauna loa "	3½	"
	Camera lens mount	3	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Daily total	9½	"
3-21	Changed uwekahuna seismograph	1	"
	Inspected mauna loa "	3½	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Crack measurment	3	"
	Daily total	9½	"
3-22	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	" mauna loa "	3½	"
	Repaired mauna loa drum screw rod	4	"
	Daily total	9½	"
3-23	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Camera lens mount	3½	"
	Assisted radio repairmen with aliens radios	2	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Daily total	9½	"

work sheet #4

3-24	Changed uwekahuna seismograph	1	hour
	" mauna loa "	3 $\frac{1}{2}$	"
	Built auxilliary arm for threading attachment	3	"
	Finished camera lens mount	1 $\frac{1}{2}$	"
	H R drill	2	"
	Daily total	11	"
3-25	Changed uwekahuna seismograph	1	"
	Sorted shop tools for repair and survey	5 $\frac{1}{2}$	"
	Overhauled automatic toaster for K M C	1 $\frac{1}{2}$	"
	Instruction to CCC helper	1	"
	Daily total	9	"
3-26	Changed uwekahuna seismograph	1	"
	" mauna loa "	3 $\frac{1}{2}$	"
	Shop maintainance	1	"
	Instruction to CCC helper	1	"
	Fixed Ranger Millers washing machine	1 $\frac{1}{2}$	"
	H R NCO school	2 $\frac{1}{2}$	"
	Daily total	9 $\frac{1}{2}$	"
3-27	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Helped Fagerlund etch camera lens mount	3	"
	Wire winding reel for USA SIG. Corps	3 $\frac{1}{2}$	"
	Daily total	8 $\frac{1}{2}$	"
3-28	Changed Bosch seismograph	1	"
	Wire winding reel	6 $\frac{1}{2}$	"
	Made bars for window and door of room in Observatory	2	"
	Daily total	9 $\frac{1}{2}$	"
3-29	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Wire winding reel	6 $\frac{1}{2}$	"
	Daily total	8 $\frac{1}{2}$	"
3-30	Changed Bosch seismograph	1	"
	Shop maintainance	1	"
	Checked timing circuit for seismographs	2	"
	Wire winding reel	5	"
	Daily total	9	"
3-31	Changed Bosch seismograph	1	"
	" uwekahuna "	1	"
	Installed master clock and hooked up timing circuit	8	"
	Daily total	10	"

Material used on SIG. Corps job:

1 inch round brass	10 inches
1 " square steel	12 "
3/4 " " "	12 "

Material for bars:

1/2 inch square steel	11 feet
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Monthly Report

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

April 10, 1942

MEMORANDUM FOR THE SUPERINTENDENT,
THROUGH THE CHIEF RANGER.
SUBJECT: Monthly Report.

Bird Conservation Work

Census counts were taken at all plots.

Life history banding project was again suspended for lack of time.

Nene localities were visited. None were seen. The memorandum from the Washington office about evacuation of nene was given consideration. A plan was evolved for getting a few fundamental facts needed for a satisfactory reply. This was to include contacting owners of domestic flocks of nene. It also included finding out approximately how many birds are left in the wild and whether these flocks are in immediate danger of extinction. Letters were accordingly written to nene owners. L. W. Bryan was contacted about the present status of nene in territorial lands. The Hilo Audubon Society was consulted.

Other work

The guard program was participated in. Instruction and miscellaneous duties in regard to the Hawaii Rifles were performed.

Paul H. Baldwin
Paul H. Baldwin
Park Ranger

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

April 9th, 1942.

Memorandum to the Superintendent through the office of the Acting Chief Ranger

Subject: Narrative report for the month of March

Routine My activities for the month included scheduled turn at 24 hour headquarters duty, standing guard, attending Hawaii Rifles non-commissioned officers instruction, military drill, etc.

Misc. All directional and destination signs along highways, truck trails and some trails in the Park were removed for military reasons. These were stored in the loft of the new wood-shed, for the duration of the war. Numerous times I cleaned the rifles used on the various guard post and those in the Ranger gun locker.

After abolition of the Water Tank guard post the telephone was removed from that shelter and installed in its regular place in the East end of the Volcano House employees dormitory.

Charles W. Miller
Charles W. Miller

*all
ready April 8/42*

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

April 6, 1942

MEMORANDUM for the Superintendent:

Subject: Foreman's monthly report for month of March, 1942.

Routine maintenance work such as garbage disposal, sanitation wood and kerosene delivery and operating warehouse was carried out during the month. Other accomplishments were as follows:

Assistance was given on the completing of new observatory. The Hawaiian Dredging Company cottage was remodeled. This house is now ready for Mr. Finch to occupy.

Machine shop activities consisted of routine maintenance on all equipment such as lubricating changing tires. Other jobs completed were: overhauled car No. 13, built step on rear of fire truck and made racks to hold back pumps.

Herbert J. Quick
Herbert J. Quick
Foreman of Construction & Maintenance.

*Let H
Monthly Report
GPO*

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK
HAWAII

April 10, 1942

MEMORANDUM FOR THE SUPERINTENDENT:

The following report covers the major activities of the ranger division for the month of March, 1942.

000General. The operation of the Volcano District Emergency Police Guard continued to be the main function of the Ranger Division throughout the month. Two seacoast patrols, three observation posts, five guard stations, the park office guard and patrol and emergency stand-by watch were maintained 24 hours per day during the month. The EPG was on special alert from March 7th to 15th.

600Protection. This division made no patrols or inspections and done no public contact work other than those needed for national defence.

The organization and training of a civilian rifle corps, a part of the Hawaii Rifles, was undertaken and meetings held nearly ^{every} night. The voluntary attendance has been good and excellent results are beginning to show.

Assistance was given Dr. Patterson of Olaa in the organization and training of three emergency first aid units. Two of the groups which number from 8 to 12 persons are based at Keakealani School which will be used as a first aid station. One unit is based at the Glenwood Japanese School. Each group is equipped with a station wagon ambulance, litter, blankets, first aid dressings and supplies. Training has been along the lines of emergency first aid and litter bearing. Their purpose will be to render assistance to civilian casualties in case of enemy attack.

The following went to Hilo and donated blood to the plasma bank on the 9th: Higashida, Loucks, Baldwin, Jess and Olson.

650Building Fire Protection. Improvements to the park fire truck during the month included a step-high rear platform to carry fire-fighting personnel and racks for Indian back pumps and brush and grass fire fighting tools.

690Public Health. Occasional inspections which resulted in several sanitation corrections at the CCC Camp kitchen and dining hall were made.

900Miscellaneous. A revision of the Chief Ranger's files along NPS lines was completed.

The Sulphur Banks Road was closed to traffic at the request of KMC authorities on March 3.

Ranger A.L. Jess was transferred from Ranger Service to Principal Engineer's Aide during March.

Gunder E. Olson
Gunder E. Olson, Act. Chief Ranger

10-23
(May 1920)

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

FILE NO.

MONTHLY REPORT

FEBRUARY 1942

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.

RECEIVED AS FOLLOWS

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

HAWAII

March 20, 1942

MEMORANDUM for the Director:

There follows the report of activities in Hawaii National Park during February.

Introduction

Activities in February were a continuation of those previously reported. The severe drought was finally broken toward the latter part of the month.

Weather Conditions

At Kilauea the long dry spell was relieved the first part of February, when .61" of rain fell on the 9th. On the 20th there was a total of 1.02" of rain, and it has not been necessary to haul water since that time. Heavy snow was visible on both Mauna Loa and Mauna Kea February 19 for the first time since December 30, 1940. Light snow had been observed in October 1941. On Mauna Loa snow fell as far down as the 10,000 foot elevation. It so happened that a park laborer and a CCC enrollee were at the summit of Mauna Loa picking up equipment on the night of the heavy snow, and reported a snow depth of slightly less than a foot. Very heavy frost occurred on Mauna Loa between the 10,000 and 12,000 foot elevations the morning of the 25th and was plainly visible from park headquarters. Total precipitation at the Kilauea section was 3.39" for February. Maximum and minimum temperatures were 73 and 42 degrees. The following is quoted from the report of the ranger in charge of the Haleakala section regarding weather conditions there: "...The maximum temperature at the ranger station was 66 degrees and the minimum 36 degrees...It rained on 10 different days to total 16.09". On the 18th we had both a hail storm which covered the ground like snow and a thunder storm. On the 26th and 27th it hailed again. The ground froze to a depth of several inches on the 23rd and 25th. On the 17th to the 23rd high winds were encountered that were as high as 45 mph. At the summit only a limited record was kept by the park, but with the help of the Army we were lucky enough to find out the date of the minimum temperature which was on the last day of the month and registered 18 degrees. Rain totaled 4.74". It showed every day from the 26th to the end of the month. The greatest depth of snow measured on the parking space was 2.6" but drifts were deep enough to stop traffic in the saddle between White and Red Hills..."

RECEIVED AS FOLLOWS

Special Activities

The superintendent remained the entire month at Kilauea headquarters, with the exception of two overnight camping trips. Meetings of the Puna District Selective Service Board were attended about once a week and in the early part of the month considerable time was given to making arrangements for and inspecting progress of the 3rd Selective Service Registration on the 14th, 15th, and 16th. On the 1st and 2nd an overnight camping trip was made in the Hilina Pali region and on the 8th and 9th an overnight back pack trip was made down the Kalapana trail, staying at Panau. Both trips were for inspection of activities and conditions. A trip through the interior and coastal sections of Puna between Pahoa and Kalapana and Kapoho was made with the Deputy Sheriff of the District on the 11th. On the 14th the annual meeting of the Hawaii County YMCA was attended and on the 22nd the superintendent was a guest at the annual meeting of the Society of American Citizens of Japanese Ancestry. The Society at that time adopted a resolution pledging the loyalty of its members to the United States. On the same day two of its leading members, Territorial Representative Thomas Sakakihara and County Supervisor Frank Ishii were interned. Various other trips were made to Hilo on matters related to military or civilian affairs and to discuss increasing the CCC enrollment with Public School Officials.

On the 4th Ranger in Charge of the Haleakala Section, Frank A. Hjort, talked to the Maui Rotary Club on the National Park Service, at the request of the Club. The talk was devoted to the history of the Service, together with a brief outline of the lives of some of the men connected with the Service.

Park Operators

That the earthquakes of February 20 showed discrimination is shown by the following excerpt from an article which appeared in the Hilo Tribune Herald of February 21. "Volcano House Liquor Stock Lost in Quake." "The story in short: yesterday morning's strong earthquakes caused all the bottles of liquor which were on shelves in the bar and in the stock room to fall down and break, causing an estimated loss of \$300. 'I was having my daily workout as usual when the ground in front of me started to swerve as I was about to approach the fourth green (of the Volcano golf course)', the Volcano House proprietor (George Lycurgus) explained. 'Right away I knew Pele must be acting up, so I started back for the hotel and there I learned the bad news about the liquor from one of the employees who detected the smell coming out from the locked bar room'. At the time all liquor stocks had been impounded and none could be sold or used. Many crocodile tears were shed.

State, County or Municipal Legislation Affecting Park Areas

The ban on sale of liquor, which had been in effect throughout the territory since December 8, was lifted to the extent that bars are now allowed to be open from 10 a.m. to 5 p.m. (Sundays 2 to 5 p.m. - beer only) and packaged goods in the amount of 1 quart of liquor, or 3 quarts of wine, or 1 case of beer may be sold on permit weekly to adult citizens.

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With the beginning of "war time" the blackout hours were changed to 7:30 p.m. to 7 a.m., and the curfew hours changed to allow persons to be abroad until 9 p.m.

Lectures, Guide Service and Interpretive Contacts

One car with 6 sailors, and another with 4 sailors visited the Kilauea section during the first part of the month. At Haleakala the ranger in charge reports that approximately 300 men from various armed forces were taken to the crater during the month.

Research and Observation

There was no surface manifestation of volcanic activity at either Kilauea or Mauna Loa in February, though a series of earthquakes on the northeast rift of Mauna Loa that started the 21st, gave striking evidence of the growing uneasiness of the latter volcano. The quakes at 9:11 and 9:14 a.m. on the 21st, were perceptible over the entire island, though only minor damage in the southeastern part of the island resulted. There were several small landslides where the Mamalahoa highway crosses the Keamoku lava flow. Park headquarters area was sharply shaken at 12:09 a.m. on the 18th by an earthquake that originated 8 miles deep under the northern end of Kilauea crater. The majority of the concentric cracks at Halemauau and of those along the Chain of Craters road opened slightly. Most of the crack movement may be attributed to the quakes of the 18th and 21st. A few cracks near Halemauau opened a foot or so.

Ranger Baldwin's work on bird research projects was all but completely suspended, as full time for guard duty was required. Two and a half days were available however, and this time was spent in taking census counts and typing records. By frequent use of overtime more counts were taken, though not enough time was available to carry on other important phases of the work.

Building Fire Protection

Four fire training sessions at the CCC camp were held and several faults in their building fire protection set-up corrected. One building fire training session was held at the park utility area on the 19th, to acquaint all park personnel, including staff wives, CCC foremen and leaders, and the Volcano House staff, with the park fire fighting set-up. Instruction was given in the manipulation of the new fire pump, and in the use of the park fire truck. Quarterly fire inspection of Park, CCC and hotel installations was made. The Kilauea Military Camp water system and fire fighting facilities were gone over during the month with KMC personnel to familiarize staff members with their system. The telephone, power, building and utilities set-up were also gone over.

Public Health

The park first-aid supplies were inspected by Lt. Lyles, MD, of Kilauea Military Camp, who gave suggestions as to first-aid kit preparation and dis-

RECEIVED AS FOLLOWS

tribution. All park cars and pickups in regular use were equipped with kits. A supply of kits and miscellaneous first-aid materials are available in the headquarters office for use in case of emergency.

Miscellaneous

OCC - One hundred sixteen boys were enrolled during the month, while 23 were discharged; namely 3 for securing employment, 1 needed at home, 3 released to US Engineers as truck drivers, 1 drafted into the Army, 1 enlisted in the Hawaii Territorial Guard; 1 accepted a foreman's position at the Panaewa Side Camp, and 13 secured employment with the Civilian Defense.

Jurisdiction of the Panaewa OCC camp - TH-10 - was transferred to this camp.

Negotiations were completed with the Consolidated Amusement Company for the showing of movies twice a week at camp

During the month extra efforts have been concentrated on litter-bearing, fire and gas mask drills.

The well-dressed ranger in Hawaii National Park, in addition to his uniform now "sports" an Army "tin hat" and a gas mask. Thirty helmets were received and issued to members of the Emergency Police Guard (to which all rangers and most other park employees belong). Four hundred gas masks were issued to residents of the Volcano, 29-Mile and Glenwood areas. Everyone from 7 years of age on up now carries one. Instructions in their use were given by park staff members.

Miss Elizabeth R. Decker of Honomu, Hawaii, entered on duty the 18th as clerk-telephone operator.

It has been necessary to bar several areas in the park to the public - namely the Sulphur Banks, Steam Flats, Bird Park and the area in the vicinity of Uwekahuna Museum.

On February 10 the Army announced that the USAT Royal T. Frank - the small Army transport which ran between Honolulu and Hilo - had been sunk by a Japanese submarine on January 28. Twenty four persons were reported missing, among them a number of selectees from this island.

On February 14 the local newspapers contained an article to the effect that the Hilo Women's Club, acting under the auspices of the Hilo Citizens Council, would instigate a probe into the rapidly rising food prices.

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On February 19 the local newspapers published a Washington dispatch listing a number of Hawaii residents who had been taken prisoner on Wake and Guam.

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On February 19 the local Office of Civilian Affairs announced the contemplated resumption of ship transportation between Hawaii and the mainland, in the near future; which would be available to civilians.

Edward G. Wingate
Superintendent

cwh

March 9, 1942

6-21-42
Monthly Report

MONTHLY REPORT OF CAMP DIRECTOR HERBERT R. RENNIE TO PARK SUPERINTENDENT EDWARD G. WINGATE FOR THE MONTH OF FEBRUARY, 1942.

One hundred and sixteen (116) boys were enrolled during the month while 23 were discharged, namely 3 for securing employment, one needed at home, 3 released to U.S. Engineers as truck drivers, 1 drafted into the Army, 1 enlisting into Hawaii Territorial Guard, 1 (Harry Kamaka) to accept a foreman's position at the Panaewa Side Camp and 13 secured employment with the Civilian Defense.

The extra large enrollment for the month taxed all departments of the Camp to the fullest to see that all individuals reports, medical examinations, clothing, housing, food and proper work assignments were all properly carried out. Nevertheless all items were carried out without a hitch, having one primary objection in mind and that of getting each new boy oriented as quickly as possible so that the Camp as a whole would be made available for any occasion that might arise.

Extra work was also called upon on the office staff due to transferring all property, enrollees and personnel of Panaewa TH-10 to HNP-1.

The transferring of all property records has now been completed except the Waimea property which is to be transferred to the Army. This last item is now being checked over with Lt. Rabisa of the Quartermaster Corps, and transfer papers are expected to be completed shortly.

The recreational activities for the two Camps are somewhat limited to not having proper supervision for outdoor sports such as baseball and basketball, but it is expected that this condition will be taken care of next month. A pool table was brought up from Panaewa and negotiations completed with the Consolidated Amusement Co., for the showing of movies twice a week. This last item has proven very satisfactory and it is hoped that it can be continued as long as possible.

Stanley Taguchi, clerk at Panaewa who will be stationed at the main Camp sometime the second week in March will materially assist in all recreational activities for both Camps.

One recreational trip was made during the month when the basketball team went to Naalehu.

The repairs ~~to~~ to barracks and the recreation hall is progressing satisfactory.

During the month extra efforts have been concentrated on litter bearing, fire and gas mask drills.

The writer made two outside trips during the month one to Kona and another to Kohala to contact various individuals for enrolling boys into the Camp.

The general health and morale of the Camp as a whole is excellent.

JOB REPORT:

54 - Volcano Observatory and Naturalist Building:

179 man-days were used on this project during the month.

60 - Removal of Exotics:

239 man-days were used on this project during the month.

77 - Seismograph Cellar:

39 man-days were used on this project during the month.

82 - Camp Repairs:

297 man-days were used on this project during the month.

305 - Preparation and Transportation of Materials:

7 man-days were used on this project during the month.

316 - Operation of Incinerator:

39 man-days were used to operate the incinerator during the month.

2762 man-days were used in emergency work such as constructing Bomb Proof Shelter, Guard Duty, etc.

There was a daily average of 50 man-days on detached service during the month.

Respectfully submitted,



Herbert R. Rennie
Camp Director, CCC HNP

*Chief Ranger
Note & forward thru Hawaii
for prep - Jan 7th: report
Eger*

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



Wailuku Maui
March 3, 1942

Memorandum to Superintendent Edward G. Wingate
through office of Chief Ranger J. H. Christ.

The following narrative report of the Haleakala Section for the month of February, 1942, is respectfully submitted.

000 General 010 Introduction

All water tanks are full and running over, for which the Army and Park are both thankful.

Most of this month has been spent in trying to keep the falling stones from the road. A large rainfall together with frosts on the clear nights loosened many stones along the road to the summit. With the Army driving a great deal of the time at night with blackout lights it has been necessary to keep the road as free as possible of rocks and dirt.

020 General Weather Conditions

Old man weather has crowed nearly everything he had in the books into the short month of February here at Haleakala.

At the Ranger Station the Maximum temperature was 66 degrees and the minimum was 36 degrees, the former occurred on the 13th and the latter on the 21st and 25th. There were 16 clear, 5 partly cloudy, and 7 cloudy days. It rained on 10 different days to total 16.09 inches. On the 18th we had both a hail storm which covered the ground like snow and a thunder storm. On the 26th and 27th it hailed again. The ground froze to a depth of several inches on the 23rd and 25th. On the 17th to the 23rd high winds were encountered that were as high as 45 miles per hour.

At the summit only a limited record was kept by the Park but with the help of the Army we were lucky enough to find out the date of the minimum temperature which was on the last day of the month and registered 18 degrees. Rain totaled 4.74 inches. It snowed every day from the 26th to the end of the month. The greatest depth of snow measured on the parking space was 2.6 inches but drifts were deep enough to stop traffic in the saddle between White and Red hills on the Army road.

100 Administration 150 Equipment and supplies

Two foamite type fire extinguishers were received and installed this month.

200 Maintenance, Improvements and New Construction 220 Improvements

A small amount of work was done on the generator house now under construction and some work was done on the cable for power and telephone but bad weather and the constant supply of rocks in the road kept us too busy to accomplish much.

500 Use of Park Facilities by the Public 530 Visitors

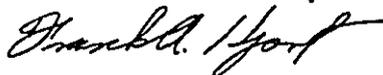
About 300 men from different armed forces were hauled up to the observation station by truck loads to view the crater this month. This was the only visitors allowed in the park.

600 Protection 640 Destruction of Predatory Animals

Only 3 goats were destroyed this month. Only one trip was made into the crater.

900 Miscellaneous

On February 4th Frank A. Hjort, Ranger in Charge, made a talk on the National Park Service at the luncheon of the Maui Rotary Club at the Maui Grand Hotel. The Rotary club requested the talk as they felt that most members new nothing of the Park Service. A complete history of the service was given together with a breif outline of the most important mens lives connected with the Service.



Frank A. Hjort
Ranger in Charge



Rec'd
Monthly Report
gjs

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

March 7, 1942

MEMORANDUM for the Superintendent:

SUBJECT: Foreman's Monthly Report For Month of February.

Routine maintenance work was carried out along with guard assignments. Other accomplishments were as follows:

1- The salvaged motor for car 783 was completely rebuilt and installed as a Pump motor. This has increased the efficiency of our fire fighting system some 200%. The horse power rating was raised from 6 H.P. to 25 H.P. at no additional cost for fuel for operating. This Pump will now deliver 4,000 gals. per hour in the high tanks above the old Volcano house against the old motors 1,500 gals. per hour.

2- The air raid shelters were completed and equipped with one kerosene lantern each from Park Warehouse.

3- Two supplementary caches were constructed to be used for an emergency.

4- Several small odd jobs were accomplished such as, laid linoleum and installed new light fixtures in quarters #15, built and installed black out shutters for office building. Crated Schulz's furniture, moved Moomaw's furniture to basement of new observatory, removed exotics from around Volcano studio removed rails from steam flat and returned them to Olaa.

The undersigned assisted the Acting Chief Ranger with guard assignments and gas mask instruction along with his regular duties.

Respectfully submitted,

Herbert J. Quick
Herbert J. Quick,
Foreman of Constr. & Maint.

NEW
Monthly Report
GPO

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

HAWAII

March 11, 1942

MEMORANDUM for the Superintendent:

Subject: Monthly report covering activities of the Ranger Division for February, 1942.

010 - General

This division continued to conduct the Emergency Police Guard during the month of February. Four guard stations, three observation posts and two sea-coast patrols were manned out of the E.P.G. roster which is now nearly 90 men.

020 - General Weather Conditions

On February 6 heavy rains broke the long dry spell allowing us to cease hauling water from Mountain View. More or less frequent rains since that date have maintained adequate water for park use as well as adding to the reserve supply in the Volcano House tanks.

High winds on the 20th to 23rd disrupted communications between park headquarters and defense observation posts to the extent that it took several days to get the park telephone lines into usable condition again.

Heavy snow on Mauna Loa was seen for the first time in more than two years on the morning of the 20th, and on several mornings after that. The mountain was covered down to the 10,000 foot elevation, and presented an impressive sight. It so happened that a park laborer and a CCC enrollee were at the summit picking up park equipment needed for defense purposes on the night of the heavy snow. They reported a snow depth of slightly less than a foot.

210 - Maintenance

The park telephone directory was revised and brought up to date and distribution of the new directory sheets made early in February.

320 - Cooperating Governmental Agencies

Arrangements were made whereby KMC could obtain camouflage brush from the exotic coniferous trees near park headquarters instead of cutting native shrubs elsewhere in the park. The trees were pulled out of the ground with a caterpillar tractor, the trunks salvaged for wood and the branches hauled away by KMC.

About 400 gas masks were obtained and issued to the residents of the Volcano district, including 29-Miles and Glenwood. Training in the proper use of the masks was also given to all those that received masks from this source.

433 - Research and Observation (Geology)

A moderate earthquake was felt at ^{midnight} ~~night~~ on February 18 by most residents throughout the island. A fume column from Mauna Loa summit was reported seen by Acting Assistant Chief Ranger Jess on the next morning at 6:30 a.m. from the Puna seacoast near Apua. Two more moderate earthquakes which knocked down merchandise from Hilo store shelves were felt about 9 a.m. on February 20.

520 - Visitors

The only visitors reported during the month were one car of 6 sailors on the first, a car of 4 sailors on the 3rd from Naval craft at Hilo. There were, however, occasional local visitors throughout the month.

610 - Ranger Service

An appraisal of firearms turned in to the park by local residents was made and submitted. An inventory of all arms and ammunition entrusted to this office was made and submitted to the superintendent.
also

An inventory of the park dynamite caches was made after the custody of these units was turned over to this division. Continuous Emergency Police Guard has been placed over the area in which the dynamite and cap storage caches are located.

The E.P. G. was placed on alert status from the 7th to 11th, during the period of a Jap national holiday.

Thirty USA steel helmets were received during the month for E.P.G. members on steady duty.

650 - Building Fire Protection

Four fire training sessions at the CCC camp were held and several faults in their building fire protection set-up corrected.

One building fire training session was held at the park utility area on February 19, to acquaint all park personnel, including staff wives, CCC foremen and leaders and the Volcano House staff, with the park fire fighting set-up. Instruction was given in the manipulation of the new fire pump, a rebuilt model Ford A motor which, without effort, pumps a volume over twice greater than the old "Novo" motor with only a slight increase in gasoline consumption. Instruction in the use of the park fire truck was also given.

Quarterly fire inspection of park, CCC and hotel installations was made and reports have been submitted of findings and recommendations.

The Kilauea Military Camp water system and fire fighting facilities were gone over during the month with KMC personnel to become familiar with the system. The telephone, power, building and utilities set-up were also gone over to familiarize us with the operation of the camp in time of emergency.

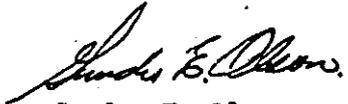
660- Insect and Tree Diseases

The combined Annual Forest Insect report and the Annual Forestry report was submitted during the month.

900 - Miscellaneous

A going-away party for three inductees and 1 volunteer for the US Army was held at Keakealani School on the afternoon of February 7. Several members of the Ranger Division stopped in to wish them aloha.

The park first-aid supplies were inspected by Lt. Lyles, MD, of KMC, who gave suggestions as to first-aid kit preparation and distribution. All of the park cars and pickups in regular use were equipped with kits. A supply of kits and miscellaneous first-aid materials are available at this office for use in case of emergency.



Gunder E. Olson
Acting Chief Ranger

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

March 13, 1942

MEMORANDUM FOR THE SUPERINTENDENT,
THROUGH THE CHIEF RANGER.
SUBJECT: Monthly Report for February

Bird Conservation Research

Work on research projects was all but completely suspended, as full time for guard duty was required (8 hours a day, 7 days a week). Two and a half days were available for bird work, however, and this time was spent in taking census counts and typing records. By frequent use of overtime more counts were taken, though not enough time was available to carry on other important phases of the work.

Other Duties

Guard work was done at the various posts.

8 days were spent in a "walking patrol" along the seashore. A report on this activity was submitted to the Superintendent on Feb. 16, 1942.

Three days were allotted to the making of a fire inspection and report. The report was submitted on February 18.

Paul Baldwin

Paul H. Baldwin,
Park Ranger

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

March 13, 1942.

MEMORANDUM for the Superintendent through the Chief Ranger.

The following is my narrative report for the month of February.

Duties during the month were primarily of emergency police guard nature. Patrol of the seacoast from Ka Lae a Puki to Kaone was made between the 15th. and 21st. Night duty and other assignments were carried out.

Maintenance of the park telephone system was carried out. Trips were made to Panau and Kaone to repair damage caused by the high winds during the latter part of the month. A faulty generator in the telephone instrument at Kaone was repaired. Some time was spent in making temporary repairs to the power ringer at the office switchboard. This piece of equipment should be replaced as soon as possible.

An inspection was made of the powder and cap house on the 11th. and the contents were inventoried.

Routine building inspection and engineering work was accomplished.

Arthur L. Jess
Arthur L. Jess

Acting Assistant Chief Ranger.

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

March 3rd, 1942

Memorandum to the Superintendent through the office of the Acting Chief Ranger

Subject: Narrative report for the month of February

Routine

My principal activity for the month was regular turn at guard duty at the various post in the park and environs.

Miscellaneous

The period of Feb 7th to 14th inclusive was spent on sea coast patrol from Kaone to Kuee Ruins. Observations and notations made on this trip were presented in a separate report.

Fire Inspection

February 16th and 17th my time was utilized in fire and sanitation inspection of the residential, Old and New Volcano House areas. The results and recommendations of this inspection were given in regular quarterly fire inspection report.

Charles W. Miller
Charles W. Miller

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

March 5, 1942

MEMORANDUM for the Superintendent:

SUBJECT: Report of Hawaiian Volcano Observatory for February

There was no surface manifestation of Volcanic activity at either Kilauea or Mauna Loa in February though a series of earthquakes on the northeast rift of Mauna Loa that started on February 21st, gave striking evidence of the growing uneasiness of the latter volcano. The shakes at 9:11 and 9:14 on February 21st were perceptible over the entire island of Hawaii, though only minor damage in the southeastern part of the island resulted. There were several small landslides where the Mamalohoa highway crosses the Keamaku aa lava flow. *2 copies*

Park Headquarters area was sharply shaken at 12:09 A. M. February 18th by an earthquake that originated 8 miles deep under the northern end of Kilauea crater.

The majority of the concentric cracks at Halemauau and of those along the Chain-of-craters road opened slightly. Most of the crack movement may be attributed to the earthquakes of February 18th and 21st. A few cracks near Halemauau opened a foot or so.

Some of the quantitative data obtained during the month was as follows:

<u>Week Ended</u>	<u>Tilt</u>	<u>Sismic Disturbances</u>	<u>Sismicity</u>
Feb. 8, 1942	Moderate W	7	3.75
" 15 "	" S	6	1.50
" 22 "	Slight N	24	22.50
Mar. 1 "	" NE	13	

Work of R. H. Finch

A considerable portion of each day was taken up with duties incident to the war. Sismogram measuring has been kept current. Computing and plotting of tilt has been done to March 1st. A little time was spent on some of the details of the Observatory - Naturalist Building. Some of the more valuable books of the library were placed in fireproof storage

room in the basement.

Work of B. J. Locks

The routine care of instrument used up on appreciable portion of each day. Several days were spent on guard duty. The distribution of his time in the shop is indicated in the following table:

Day	Nature of Work	Time Envoled
Feb. 2 - 3	Installing drill motor and belt shifter for same.	12 hrs.
" 4 - 5	Installing pedestal grinder and a belt shifter for same.	13 "
" 5 - 7	Lathes and attachment for thread cutting	15 "
" 10	Made valves for C.C.C. compressor	1 "
" 10 - 11	Turned down shaft and making key way for fire engine	10 "
" 11 17	Parts for C.C.C. air compressor	25 "
" 17 27	Arber press parts	30 "
" 19 20	Bench drill and mount	12 "

R. H. Finch
Volcanologist.

10-23
(May 1923)

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

FILE NO.

MONTHLY REPORT

JANUARY 1942

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 24, 1942

MEMORANDUM for the Director:

Following is our report of activities for January, 1942.

Introduction

Activities during January were a continuation of those of the last two weeks in December, with efforts being made to return members of the staff who have important research work under way or pending, to their regular jobs, for as much time as possible. Despite our constant alert day and night some progress in this line has been made, but it is far from satisfactory due to inability to fill at all promptly existing vacancies and the many heavy and extra duties arising from the present emergency.

A serious fire hazard and water shortage developed and increased in intensity after the middle of the month, both within and outside the park area. January was the driest month in 18 years of available records at Kilauea with only .70" of rain with only .24" falling after the 15th. The closest approach to this was February 1925, when .96" of rain fell. There was also an acute water shortage at Haleakala. It was necessary for both the park and CCC to haul water daily from Mountain View, 14 miles distant and this source was getting very low at the end of the month. No water at all was available from the Kapapala Ranch pipe line at the "half-way" house on the Kau road. This hauling necessitated a heavy expenditure of important gasoline and caused excessive wear and tear to tires and equipment. The drought is continuing into February. Fortunately low winds and fairly high humidity prevailed, also we were fortunate that little public use of the park was made. Naturally particular attention was given to the fire protection organization and equipment. It is hoped Washington authorities will comprehend how serious a matter it is at this time to have almost the entire available water supply stored in exposed wooden tanks and provide funds for the underground reservoirs as requested January 25.

At the request of residents of the 22-Mile area adjacent to the park, a Fire Brigade was organized there by the Chief Ranger. One Japanese resident donated a truck which the group converted into a fire truck. Sand for fire fighting was furnished free to these residents and to the public school by the park. Instruction in fighting incendiary bomb fires was given by Foreman Quick in the park, at 22-Miles and in Glenwood. Sand was also furnished the Glenwood residents.

RECEIVED AS FOLLOWS

The CCC, under the direction of Mr. Quick, was busy constructing underground air-raid shelters throughout the headquarters area, besides continuing certain work in the park area ordered by the Army. The Territory of Hawaii Panaewa CCC camp of 35 enrollees was engaged exclusively on defense work in and around Hilo under the direction of the US Engineers. In cooperation with local Army and Civil Defense authorities an appeal for CCC recruits was made through the press and is meeting a surprisingly fine response. The appeal was made to boys in the 16 to 18 year age group.

The following male park and CCC employees responded to a request for blood donors for the Hilo "blood bank" and have been typed but as yet have not been called in: Messrs. Fagerlund, Miller, Quick, Jess, Loucks, Higashida, Kawasaki, Olson, Fujimoto, Choffe, Kaubi, Elderts, Baldwin, Finch and Wingate, all park; and Rennie, Milne, Janiak, and Maxamura, CCC. Many wives and women on the staff volunteered and were typed. However, women volunteers will not be called in except in case of emergency. Only two park employees available failed to respond.

The public schools were finally reopened on a curtailed basis January 26, but attendance was not compulsory. The severe shortage of labor on the plantations has necessitated employment of children who normally would be attending school. Shortage of teachers has required elimination of many subjects and to avoid congestion the school day has been cut in half, and the pupils taught in two separate groups, morning and afternoon.

The Royal Hawaiian Hotel on Waikiki Beach, Honolulu, has been taken over by the Navy as a recreation center for Navy personnel. Together, with Chairman Spencer of the Hawaii County Board of Supervisors, an invitation was sent Mr. Guy Swope, Director of the Division of Territories and Insular Possessions, Interior Department, to visit this island and inspect civilian defense work and requirements here. However, he could not accept, which is unfortunate as, and particularly at this time, a visit to Honolulu and Oahu alone often leads to an erroneous impression of conditions on the outside islands.

Weather Conditions

Precipitation at Kilauea for January was .70" and at the Haleakala ranger station, .80" which all fell on the night of the 28th. The ranger in charge of that section reports the entire month clear. Maximum and minimum temperatures at Kilauea were 74 and 40 degrees and at Haleakala ranger station 71 and 40 degrees. No records were kept at the summit.

Special Activities

The superintendent spent the entire month at headquarters, dividing his time between emergency duties, park work, conferences with officials in charge of defense work, and meetings of the Selective Service Local Board. He made several inspection trips to outlying and coastal sections of the park alone and with Navy and Army officers. Because the superintendent now

RECEIVED AS FOLLOWS

comes under the new age limit for the draft, he submitted his resignation to the Governor of the Territory as Chairman of the Local Board No. 1, at Olaa. Also due to the pressure of work and the distance between the park and Hilo, he submitted his resignation from the Board of Directors of the Hawaii Federal Territorial Employees Credit Union. He attended the annual meeting of the Kilauea Council, Boy Scouts of America and one meeting of the Board of Directors, Hawaii County YMCA.

Maintenance

At Haleakala considerable work necessary to keep the road clear of rocks and dirt loosened by the numerous frosts at the higher levels.

At Kilauea it was necessary to do a great deal of work on the over-worked telephone instruments to keep them in repair.

New Construction

The Observatory and Naturalist Building (CCC Job 54) is reported as 59% complete at the end of January.

Donations

A number of knitted scarves, helmets, etc., were donated to the local unit of the Emergency Police Guard by the Hilo Chapter of the Red Cross, and were much appreciated by those who were on duty at posts during the cold night hours.

Lectures, Guide Service and Interpretive Activities

One illustrated lecture was given for the enrollees at the CCC camp on the 1940 Kauna Loa eruption.

The park naturalist moved his office from the Uwekahuna Museum to the recently completed library at the new Observatory and Naturalist building.

Research and Observation

Ranger Paul Baldwin has had to eliminate work on bird projects because of lack of time. However, it was found possible to maintain the continuity of the bird census data by use of such outside time as was available.

The seismic lull that started early in December continued throughout the month. The Hawaiian volcanoes continued quiet.

Perceptible earthquakes occurred at 2:20 p.m. January 9 and 6:13 a.m. January 25. The latter was widely felt over the entire island.

There was but very little movement at the concentric cracks at Halemauau or those along the Chain-of-Craters road.

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Police Protection

The Secretary's order of a 40 mph maximum speed limit, which was quoted in the local press, has been adopted in the park.

On January 3 the door of the naturalist's office at Uwekahuna had been forced open. However, upon inspection by the naturalist it was found that nothing had been disturbed or taken.

On January 1, Elizio Carbonel, a Filipino employee at the Volcano House, was arrested for assault and disturbance at the hotel. He was taken to Hilo and convicted in the Military Court.

The new traffic code for Maui County has now been approved and copies are being distributed. This new code contains the new speed limit of 30 mph as requested by the park, on the Haleakala road from Kula Junction to the park boundary.

Wildlife Protection

Due to the lack of hunting, the ranger in charge of the Haleakala section reports that the Chinese pheasants are now seen in greater numbers than before. Pacific Golden Plovers are also seen in increased numbers in that locality, due probably to the new legislation prohibiting hunting these birds. However, he reports that for some unexplained reason California Crested Quail are seen less and less.

Nine wild goats were killed in Haleakala crater during January. The ranger in charge reports they do not seem to be doing any great damage to the vegetation there.

Miscellaneous

CCC - Sixty four boys were enrolled at the camp in January, while only 7 were discharged, 4 needed at home and 3 for enlisting in the Hawaii Territorial Guard. The large increase in enrollment is due in part to the school authorities encouraging students to obtain defense work, and the cooperation of various organizations.

As part of the recreation program it was decided to let 25 enrollees go on leave to Hilo on Sundays. This will be maintained as long as the boys behave themselves in camp and while on leave. Six boxers participated in a benefit amateur smoker held in Hilo on the 18th. While losing most of the matches because they had not been able to train, the CCC helped in putting on a good show.

Chief Ranger Joseph H. Christ submitted his resignation on January 22, to be effective at the expiration of his annual leave, March 5. Clerk-telephone operator Winifred H. Tada also resigned on the 17th; Laborer Sam Makua on the 5th; and Laborer William Elderts submitted his resignation during the month, to be effective at the expiration of annual leave, April 9.

cwh

Edward G. Fingate
Superintendent

del. Monthly Report

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

February 16, 1942

MEMORANDUM for the Superintendent:

The following covers the activities of the Ranger Division during the month of January, 1942:

Emergency Police Guard duties continued to take up the full time of the Ranger Division during the month. Three observation stations, four guard stations and one motor patrol were manned 24 hours per day throughout the month with EPG members from Kalapana, Park, Hotel, CCC and 29-miles. Occasional mounted patrols were made along a portion of the park seacoast and Ainalou Ranch. A patrol on foot was made along the telephone line to Panau observation post.

On January 1, Elizio Carbonel, a Filipino employee of the Volcano House was arrested for assault and disturbance at the hotel. He was removed to Hilo where he was convicted in Military Court.

The training of EPG members in the use of firearms was continued during January and twenty-one of the forty-one under training qualified with scores of 60% or better at 200 yards using a standard silhouette target and 30 cal. Springfield rifles.

January at Kilauea was the driest month in many years. To maintain a 35,000 gallon fire fighting reserve it was necessary to haul water throughout the month from the Half-way House and later from Mountain View when the nearer supply gave out. Only 0.72 inches of rain fell in the Kilauea sector during January.

Chief Ranger Joseph H. Christ resigned his position January 22, to accept employment with the US Engineer Department.

About 5 miles of the Mamalahoa highway was center-lined during the month at the request of Military authorities to aid night driving with blacked out headlights. Considerable work was done on telephone instruments to keep overworked phones in proper repair.

Gunder E. Olson
Gunder E. Olson,
Acting Chief Ranger.

*Olson -
note + give lead H.
for Honolulu report
Eggs*

Noted H.L.

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

Wailuku Maui
Jan. 31, 1942

Memorandum to Superintendent Edward G. Wingate
through office of Chief Ranger J. H. Christ.

The following narrative report of the haleakala Section for the month of January, 1942, is respectfully submitted.

000 General 010 Introduction

Water shortage has been acute here. All the water that could possibly be spared here was given to the U. S. Engineers for use in making concrete. All the CCC tanks were drained and a line run from the old Rest House to the road to drain that tank. Even with all this water and 20,000 gallons from our regular system it has been necessary for the Engineers to haul from below Kula as that supply also ran out.

020 General weather conditions

For the first time that can be found in the past records here there have been 31 days of clear weather, constituting one entire month without a break except for rain on the night of the 27th. By morning on the 28th it had cleared so the record remained. At the Ranger Station there was a total of 0.80 inches of rain from the one night's fall. The maximum was 71 degrees and occurred on the 12th and 22nd. The minimum was 40 and occurred on the 7th. One heavy frost occurred on the 18th. Winds were varied. No records were kept at the summit.

100 Administration 150 Equipment and supplies

Early in the month the large spool of cable that was left at Honolulu arrived and is now being put to use.

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HAWAII NATIONAL PARK

200 Maintenance, Improvements and New Construction 210 Maintenance

The road from the boundary to the summit has been kept clear of fallen rocks and dirt loosened by the numerous frosts at the higher levels.

220 Improvements

A great deal of work has been accomplished in changing over from overhead power and phone line to underground cable.

230 New construction

A temporary power house for the generator and motor are about 50% complete. This structure is being made from left over lumber and materials from other projects.

300 Activities of other agencies in the park 320 Cooperating governmental agencies

Nearly all the work started by the U. S. Engineers has been completed and crews are being laid off.

340 County legislation affectin park

The new traffic code for Maui County has now been approved and copies are being distributed. This copy contains the new speed limit of 30 miles per hour as requested on the road from Kula junction to the National Park boundary.

400 Flora, fauna, and natrual phenomena 460:Birds

Due to the lack of hunting brought on by the war the Chinese Pheasants are now seen in greater numbers than before.

For some reason as yet unexplained the California Crested Quail are seen less and less.

The Pacific Golden Plovers seem to be on the increase, due possibly to the new legislation prohibiting hunting these birds.

600 Protection 640 Destruction of predatory animals

Nine ^ogats were killed this month on the crater. Goats do not seem to be doing any great damage to the vegetation in the crater.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

February 16th, 1942

Memorandum to the Superintendent through the office of the
acting Chief Ranger.

Subject: Narrative report for the month of January

My activities for the month were devoted entirely to guard duty
with the Emergency Police Guard.


Charles W. Miller
Park Ranger

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

February 16, 1942.

MEMORANDUM FOR THE SUPERINTENDENT,
THROUGH THE CHIEF RANGER.
SUBJECT: Monthly Report for January

Bird Conservation Research

Work on bird projects was eliminated for lack of time. However, it was found possible to maintain the continuity of the bird census data by use of such ^{outside} time as was available.

In order that an understanding may be reached concerning our responsibility towards the bird conservation research during the present state of emergency a memorandum is being prepared outlining the projects and time necessary for satisfactory continuation of each.

Other Duties

Emergency guard duty claimed the entirety of our working time (8 hours a day, seven days a week). Watch was stood at all the various guard stations.

Paul H. Baldwin

Paul H. Baldwin,
Park Ranger

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

February 7, 1942

MEMORANDUM for the Superintendent through the Chief Ranger.

The following is my narrative report for the month of January.

Assistance was given in the operation of the local unit of the Emergency Police Guard. Routine building inspection and engineering work was accomplished.

Telephone line and instrument repair work was carried out. A source of radio interference being caused by a faulty meter in the office light circuit was discovered and reported. Two telephone instruments were completely rebuilt and placed in service. A different type of transmitter was installed on the office switchboard in order to improve the efficiency of the system. New ground connections were installed at Ainahou and Makaopuhi in order to improve the operating qualities of these circuits.

A trip to Kalapana from Makaopuhi was made for the purpose of inspecting and repairing the telephone line to OP-5

Five days were spent in spotting in the center line preparatory to painting the traffic line on the Mamalahoa Highway.

The following U. S. Geological Survey bench marks located along the trail from Makaopuhi to Kalapana were recovered and found to be in good condition: permanent bench marks 352 and 27, and supplementary bench marks 557, 167, and 64. Permanent bench mark 2746 at Ainahou Ranch was also recovered, as well as 3167 on the Mamalahoa Highway about $1\frac{1}{2}$ miles East of the Kau Entrance.

Arthur L. Jess
Arthur L. Jess,
Acting Assistant Chief Ranger.

February 11, 1942

MONTHLY REPORT OF CAMP DIRECTOR HERBERT R. RENNIE TO PARK SUPERINTENDENT EDWARD G. WINGATE FOR THE MONTH OF JANUARY, 1942.

Sixty-four boys were enrolled during the month while only seven were discharged, namely four needed at home and three for enlisting in the Hawaii Territorial Guard. The large increase in enrollment is due to the cooperation of various individuals through the office of Captain William Bryan and an advertisement stressing the need for young men which appeared in the Hilo Tribune Herald.

As part of the recreation program it was decided to let twenty five (25) enrollees go on leave to Hilo on Sundays, the enrollee paying his own way. This was started on January 8, and has proven very beneficial and satisfactory. This will be maintained as long as the boys behave themselves both in the Camp and while on leave.

Six Boxers participated in a Benefit Amateur Smoker held in Hilo on the 18th. While losing most of the matches due to not being able to train, the CCC helped in putting on a good show.

Several meetings were held to acquaint the new boys in the Camp Rhla and Regulation. Calenthenics is being held every morning except Sundays and drill exercises just before the evening meal except Saturdays and Sundays. These two subjects are getting the desired results.

A movie of the 1940 Mauna Loa Eruption plus a musical program was the feature on Saturday Night, January 31, 1942.

The sanitation in the Camp has been satisfactory and is being checked daily.

The writer made one trip to Kona to sign up nineteen new enrollees.

Jobs Report

202 man days were used on the Observatory and Naturalist building making this project 59% complete.

1014 man days were used in emergency work such as constructing Bomb proof Shelter, and Guard duty.

There was a daily average of 35 mandays on detached service during the month.

Respectfully submitted,

Herbert R. Rennie
Herbert R. Rennie
Camp Director, CCC HNP

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

HAWAII

OFFICE OF THE SUPERINTENDENT

February 5, 1942

MEMORANDUM FOR THE DIRECTOR:

The Park Naturalist's Monthly Report for January 1942
is attached.

Edward G. Wingate
Superintendent

By: *Gunnar O. Fagerlund*
Gunnar O. Fagerlund

NATURALIST'S MONTHLY REPORT
January 1942

000 - General

As travel to the Park has virtually ceased as far as interpretation is concerned the Park Naturalist is devoting as much time as possible to other phases of his work. These other phases are many and have long been waiting attention.

A complete N.P.S. method filing was-a of all papers in the Naturalist's files was accomplished during January.

The Park Naturalist moved his office from Uwekahuna to the library of the new Observatory and Naturalist Building near Headquarters.

100 - Administration

Inspection was made of the erosion control structures built two years ago in the Hilina Pali section. The check dams and retaining walls have withstood the runoff from several heavy rains and they appear to aid considerably in checking the gully erosion.

400 - Interpretation

One illustrated lecture was given to-en for enrollees at the Volcano C.G.S. camp to 135 for one half hour.

450 - Research and Observation.

Continuity of data in Baldwin's bird ecology studies has been broken because of insufficient time to carry on the studies.

490 470 - Photography

One half day was spent on photography.

Resume of Naturalist's work during January:

Refiling: - - - - -	8 days
Guard duty: - - - - -	16 1/2 "
Moving to new office; - - - - -	2 "
Inspection: - - - - -	1/2 "
Misc. Office work; - - - - -	1 1/2 "
Preparation of Annual Forestry Re 1	2 1/2 "
Photography: - - - - -	1/2 "
Off duty: - - - - -	1 "

CORRECTION

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

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**NATURALIST'S MONTHLY REPORT
January 1942**

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Photography: - - - - - 1/2 "
Off duty: - - - - - 1 "

January

No.	Date	Charac.	Phase	Time G. M. C. T.			Period	Λ_E μ	Λ_N μ	Λ_V μ		
				h.	m.	s.						
							1942	0.70				
June	1924	139					41	1.84				
Feb	1925	0.96					40	3.25				
Jan	1926	1.76					39	18.01				
Jan	1926	1.71					38	21.98				
Mar	1931	1.57					37	22.01				
Aug	1932	1.52					36	4.85				
July	1933	1.02					35	10.29				
Dec	1933	1.34					34	9.01				
Dec	1939	1.53					33	16.29				
Jan	1941	1.84					32	24.55				
Feb	1941	2.22					31	1.92				
							30	5.92				
							29	5.63				
							28	6.99				
							27	9.00				
							26	1.76				
							25	8.69				

*ll. 10.
For Jan monthly report
EJO*

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

January 4, 1942

MEMORANDUM FOR THE SUPERINTENDENT

Subject: Forced entry to Naturalist's Office.

On the morning of January 3, 1942, CCC Mechanic, Nakamura, while on motor patrol discovered that the door of the naturalist's office at Uwekahuna Museum had been broken open by being forced inward. He reported the matter to Mr. Finch at the park office. Park Foreman Quick had the broken door replaced and at about 11.00 a.m., Assistant Park Naturalist Fagerlund and I visited the place. Mr. Fagerlund looked around the office and stated that apparently nothing had been stolen or disturbed.

The forced entry to the office had been made some time Jan. 1 or 2, 1942 as Mr. Quick stated that he had checked the door in question at 8.00 a.m., January 1st after noticing that it was in a rather bad condition. Considerable force had been exerted to break the door in, however, as the lock was bent and broken out of the door stile and a lower panel broken in the door.

It may be mentioned here that a large group of CCC enrollees had liberty on January 1st as did a limited number of soldiers from KMC. As Uwekahuna is not one of the places regularly patrolled no report was made concerning CCC or soldiers in that vicinity.

Gunder E. Olson

Gunder E. Olson,
Ass't. Chief Ranger.

Copies to KMC & CCC

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

February 10, 1942

MEMORANDUM for the Superintendent

Report of Hawaiian Volcano Observatory for January.

The seismic lull that started early in December continued through the month of January. Hawaiian volcanoes continued quiet. Perceptible earthquakes occurred at 2:20 p.m. January 9 and 6:13 a.m. January 25. The latter was widely felt over the island of Hawaii.

There was but very little movement at the concentric cracks at Halemauau or at those along the Chain-of-Craters Road.

Some of the quantitative data obtained during the month was as follows:

Week Ended	Tilt	Seismic Disturbances	Seismicity
Jan. 4	Slight SW	3	225
11	0	9	4.00
18	Slight NE	8	3.00
25	" SW	7	3.50

Work of R.H. Finch

Routine duties connected with the Emergency Police Guard took up a considerable portion of each day. Seismogram measurement was brought up to date. Computing and plotting of tilt and seismicity which was about a month behind at the first of the month is nearly completed to the first of February.

Work of B.J. Loucks

During the first part of the month a considerable portion of each day was spent on guard duty. In the latter part of the month a large part of his time was spent on seismograph operation and maintenance, and shop work. The distribution of his time in shop and repair work was about as follows:

Jan. 3-13	Seismograph parts	21 hours
10	Made hasp and staple for storeroom	2 hours
12	Cleaning telescope Hilina Pali	6 hours
14	Made telescope mount	5 hours
15-16	Installing shop equipment	8 hours
18-22	Mauna Loa seismograph	21 hours
23-24	Timing device for seismograph	4 hours

Jan. 25-27 Driving mechanism for seismograph
29 Installation of bench grinder

16 hours
8 hours

Ruy H. Finch
Volcanologist

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Hawaii NATIONAL PARK

FILE NO.

MONTHLY REPORTS

1942-1943 1943

1942 - 1943

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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January 20, 1944

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of December, 1943.

Introduction

For the first time since December 7, 1941, the people of the Territory were permitted to burn house, store and street lights without restriction of any kind during hours of darkness when on December 20, by order of the Military Governor, the effective hour for blackout was set at 10:00 p.m. This lessening of restrictions brought widespread satisfaction and added greatly to the enjoyment of the Christmas season. No change in automobile head and tail light restrictions was authorized and none seems necessary.

The departure, late in December, from the park of an anti-tank unit that had been here almost a year, may be the forerunner of a general decrease in military use of the park area. Training and other activities have appreciably lessened in the last couple of months.

The regular OPA system of gasoline and tire rationing went into effect on Hawaii December 1. It is believed appreciable savings in rubber will result from the Board's general decrease in gasoline allowances.

General Weather Conditions

The maximum and minimum temperatures at Kilauea were 73° and 45°. Rainfall totalled 7.27". A weather report for Haleakala was not submitted for the month of December and no data are available for that Section. There was light fog at Kilauea on four days.

Light snow was seen on Mauna Loa and Mauna Kea on December 5, 8, and 9th. It had all melted before the end of the month.

During the calendar year ending December 31, there was a total rainfall of 92.90 inches at Kilauea and an estimated total of 42.50 inches at Haleakala. Though the Kilauea rainfall was but a few inches below normal during the four months preceding December, drought conditions prevailed causing the most serious water shortage we have experienced at Kilauea in years. It was necessary to close the hotel cottages and for a time it was thought the whole hotel might have to be closed. During this same period the drought was very severe on Maui and in the Haleakala Section.

The maximum and minimum temperatures for the year at Kilauea and Haleakala

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- 2 -

were respectively 77° and 37.7° and 73° and 34°. There were 71 clear days at Kilauea and 178 at Haleakala and there were at Kilauea 103 days with .01 or less rainfall and at Haleakala 251.

All Haleakala figures are estimated because of the absence of the December report.

Snow was on the ground in the summit regions of both Mauna Loa and Mauna Kea throughout the first five months of the year. It was last seen on Mauna Kea June 3rd. There were several snow storms at Haleakala during January but the snow quickly melted.

Superintendent's Special Activities

The Superintendent was in Honolulu from December 20 to 30, on a combined business and pleasure trip.

He worked with the OPA Rationing Board for East Hawaii a number of days in the month and attended the regular Selective Service Board meetings at Olan, Hawaii.

On the 10th, he conducted a Park Tour with Army officers just returned from Makin Island.

Research and Observation

The volcanologist reports that a conspicuous fume cloud was observed over Mokuaweoweo on December 19, first from Kona and later from Waimea. On December 25, steam was observed in a somewhat greater amount than usual under the high western wall of Mokuaweoweo but there was no visible fuming in the vicinity of the 1940 cone or elsewhere in the crater.

He reports that more tremors were recorded at Mauna Loa than at Kilauea, or 52 and 38 respectively. The strongest shake during the month, which originated on the southwestern slope of Mauna Loa, occurred on December 22.

Near the rim of Halemauau most of the cracks showed a slight opening while a majority of those along the Chain of Craters Road closed slightly.

Lectures, Guide Service & Interpretive Activities

One hike was conducted to Kilauea Iki with 60 girl scouts.

The Mauna Loa eruption movies were shown on three occasions to a total of 153 persons.

One Bird talk was given to 28 persons.

Publicity

Rather extravagant publicity was given in the local press to a press release from this office reporting the scientifically interesting abortive eruption of Mauna Loa during November. Notes on this activity were contained in

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- 3 -

our report for that month.

Forest Protection

The most important project undertaken during the month by the ranger division was a goat drive on Mauna Loa held on December 18. The drive and two days of preliminary work netted 60 goats destroyed. A corral to hold the goats was constructed at the 6,700 ft. station. About 75 goats were rounded up but a considerable number broke away. Improvement in arrangement of the wings and corral were indicated and is being done.

A total of 60 goats and one pig were destroyed in December. In the Haleakala Section, sixteen goats were disposed of.

Police Protection

A theft occurred at the Volcano House early in the month. A detective from the Hilo Police force did some work on the case but without results.

Two rolls of fence wire were stolen from the Volcano House grounds. Later one was found at the CCC camp, after the camp had been abandoned by the army and returned to the owner.

Wildlife Protection

One hawk was seen above the 6,700 foot corral on December 18.

Bird censuses were taken at a number of localities.

Travel

At Hilausa civilian visitors were estimated to total 12,396 and military visitors 26,505 compared with 12,972 and 14,040 for December 1942.

At Haleakala, visitors were estimated to total 1,610 for the month of December, including 1,360 in the armed forces. For the same month last year, there were no civilian visitors and 635 military visitors.

Miscellaneous

A war emergency corn raising program designed to cultivate 2,000 acres of homestead land on Noloal is well under way under the direction of the University Extension Agent and a representative of Libby, McNeill & Libby Co.

An induction of AJA'S was held recently for entrance into the army for training at the Camp Savages, Minn; language school.

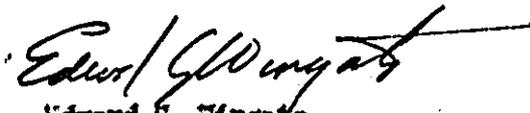
Eligible for naturalization in Hawaii following the repeal of the Chinese exclusion act are more than 4,000 alien Chinese, according to census figures at the Board of Health. The number of alien Chinese living in the Territory in July, 1941, was 4,351. These are the latest census figures available. Under the federal naturalization regulations of 1940 providing for naturalization of all nationalities in the armed services, nine alien Chinese have been admitted to citizenship in the Honolulu Federal court since the war.

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- 4 -

It has been announced by the Hawaii War Finance Committee that during 1943, Hawaii invested nearly \$90,000,000 in war bonds and other government securities.

Armine von Tempsky, author of many novels about Hawaiian life, and a native of the islands, died in California on December 2nd. Her novel "Lava" gave an interesting account of a lava flow, the work of Volcanologist T. A. Jaggar and the reactions of local people to an eruption.


Edward G. Wingate,
Superintendent

c.c. - Regional Director
c.c. - Files

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

January 8, 1944

MEMORANDUM for the Superintendent:

There follows the monthly report for December 1943 on activities of the Ranger Division and the Assistant to the Superintendent.

General

The tank destroyer battalion evacuated the CCC camp near the end of the month. Some time previous to this the tank destroyer unit was removed from the Kilauea Military Camp.

A Christmas party for park children was held at the Volcano House on December 23.

Police Protection

A theft occurred at the Volcano House early in the month. Sgt. Ragsdale of the Hilo Police force carried out some detective work on the case but without results.

Two rolls of fence wire were stolen from the Volcano House grounds. Later one was found at the CCC camp and returned to the owner.

An island wide air raid alert was sounded on December 14, after 10:00 p.m. Rangers reported for duty at the office and patrolled until the all clear signal sounded.

Several road patrols were made during the month.

Fire protection and Sanitation

A letter was written to Mr. Lycurgus requesting a fire hazard in the ice room be eliminated, etc; as recommended in the quarterly fire inspection report.

The park fire fighting equipment was checked and maintained in condition ready for use.

A conversation was had with Dr. Bernstein regarding a staff member

with active tuberculosis.

Forest Protection

The most important project undertaken during the month by the ranger division was a goat drive on Mauna Loa held on December 18. The drive and two days of preliminary hunting netted 60 goats destroyed. A corral to hold the goats was constructed at the 6,700 ft. stables. Wings extended to the west and to the north so the goats could be driven from either the west or the east side of the truck trail. The upper end of Kipuka Maunaiu was driven by 4 men on horseback and the part of Kipuka Kulalio above 6000 and west of the truck trail by a dozen men on foot. About 75 goats were rounded up but because the goats were scared by shooting 50 or so broke away. Improvements in arrangement of the wings and corral were indicated.

A contract was awarded Luis de Leon who will drive with a gang of Filipinos under our direction during the next month.

Sixty-six goats and one pig were destroyed in December.

Numerous guava plants were dug out from along side the road in the Aloi Crater region. Relatively extensive guava thickets exist below the road according to Ranger Medeiros; however it is not planned to dig these out at this time owing to lack of manpower. It might be possible to develop a method of killing these shrubs easily by injecting poison with a syringe device.

Ranger Medeiros notes in his report that the boundary fence along the Keauhou ranch needs attention.

Wildlife protection

One nene was seen above the 6,700 foot corral on December 18.

Bird censuses were taken at a number of localities during the month.

Communications, maintenance, etc.

A formal agreement with the army was concluded to route calls from our lower forest phones through the army switchboard at the Kilauea Military Camp to the park board. The Ainahou Ranch phone was reconnected and calls can be made out of the ranch but under present arrangements not into it. Fallen poles on the Mauna Loa line were reset.

The recommendation was made to the Volcano House manager that he install a 10,000 gal. water tank and electric pump back of his garage to catch water from the Volcano House roof and pump it to the 400,000 gal. tank, as a temporary measure to overcome the inadequacies of our present

collection system. The tank and pump were ordered by him.

Saddle equipment was repaired, and signs from the Chain of Craters road were repainted.

The Assistant to the Superintendent made a trip to Kamakaia Hills and Hilina Pali on December 15 to read rain gauges.

Interpretation

"Welcome to the Armed Forces," a pamphlet to introduce members of the armed forces to the park service, was taken over to K.M.C. for the soldiers. 300 copies were turned over to Colonel Fleming.

Fifty photographic negatives were selected showing park scenery and activities covering both sections. Four copies of each will be printed and sent to the office of the Editor-in-chief of the national park service at that official's request.

One hike was conducted to Kilauea Iki with 60 girl scouts.

The Mauna Loa eruption movies were shown on three occasions to a total of 153 persons.

One bird talk was given to 28 persons.

Travel

Travel counts were made on December 21 and 22.

Paul H. Baldwin

Paul H. Baldwin,
Asst. Superintendent

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

December 31, 1943

MEMORANDUM for the Superintendent

(Through the Asst. to Superintendent)

Subject: Report of activities for the month of December, 1943.

A considerable amount of time was spent on the horse corral fence, taking down some hog wire from the horse paddock fence and replacing it with ordinary wire. A fence was made along the horse corral at the end of Mauna Loa truck trail for the purpose of assisting in the goat drives. Goat control work and a goat drive was performed, and 32 goats were destroyed.

Some time was spent in locating a missing park mule and horse, and repair work was done on some of the park bridles, halters, and one saddle.

A patrol was made covering all park roads. A section of the telephone line #10 at Namakanipaio was repaired and two poles were installed. A check was also made along the Mauna Loa section to the end of the Mauna Loa truck trail.

The fence line along the park and Shipman boundary on the northeast side was checked upon. The section through the Koa forest along Kipuka Kikai was to be found in very poor shape. A section of telephone line #10 below 6 tanks was repaired and two poles were installed.

Two travel counts were performed.

Some time was spent on sign painting and digging out guava bushes along the Chain of Craters road.

Antonio B. Medeiros
A. B. Medeiros,
Ranger

*26
W. B. Medeiros
1/1/44*

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

January 3, 1944

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the month of December, 1943:

During the month, 7 days were spent on fence line work around the park horse corral and at the end of the Mauna Loa truck trail. From the 14th to 17th, goat control work was performed and two nights were spent at the 6,500 rest house.

Communication

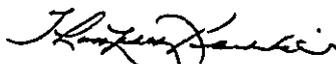
On December 20th, I repaired telephone poles below 6 tanks. One knife switch was installed in the University building, connections were made on the Ainahou line and a check on the lava tube line was made. A knife switch was also installed on the horse corral line.

Police Work

On the 21 and 22 traffic count was performed at the Hilo Entrance. On the 28th a trip was made into the Keanakakoi crater to check on names at the bottom.

The rest of the month was spent on guava control work along the Chain of Crater road.

For the month, 28 goats and one pig were destroyed.


Thompson Kauhi,
Ranger

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

Wailuku Maui
Jan. 4, 1944.

*Recd
1/5/44
PHB.*

Memorandum to Superintendent Edward G. Wingate through the office of the Assistant Superintendent Paul H. Baldwin:

The following narrative report for the month of December, 1943 is respectfully submitted.

000 General 010 Introduction

Once again we here at the Ranger Station can look down on the isthmus at night and see the lights of the various towns and camps. The announcement this month that blackout was no longer in force up to ten p. m. o'clock was received with great joy by all residents of this island.

020 General weather conditions 021 In the park

The weather records for the month have been lost so no data is available.

200 Maintenance, Improvement and New Construction 210 Maintenance

Frost at the higher elevations along the road has loosened large quantities of rock in the cuts and has caused quite a bit of sweeping and shoveling to be done.

500 Use of Park facilities by the public 510 Increase or decrease in travel

Travel figures took a slump this month but this can be expected during Kona weather such as we have had most of this month at the summit with a good deal of rain.

600 Protection 640 Destruction of predatory animals

Sixteen goats were killed in the crater this month.

Frank A. Hjort
Frank A. Hjort
Ranger in Charge

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

January 7, 1944

MEMORANDUM for the Superintendent:

Report of Hawaiian Volcano Observatory for December 1943.

A conspicuous fume cloud was observed over Mokuaweoweo by A. L. Jess on December 19, first from Kona and later from Waimea. However, there were no signs of continuous tremor on the seismograph on this day. On December 25, Arthur Mitchell observed steam in somewhat greater amount than usual under the high western wall of Mokuaweoweo but no fuming in the vicinity of the 1940 cone or elsewhere in the crater.

More tremors were recorded at Mauna Loa than at Kilauea or 52 and 38 respectively. The strongest shake during the month, which originated on the southwestern slope of Mauna Loa, occurred on December 22. It was felt locally and in Hilo. A majority of the shakes the origins of which were determined, occurred on the southwest Mauna Loa slope.

Near the rim of Halemaumau most of the cracks showed a slight opening while a majority of those along the Chain of Craters Road closed slightly.

Tilt for the month was slight to ESE.

Some of the data obtained during the month is shown in the following table:

Week ended	Tilt	Seismic disturbances	Seismicity
Dec. 5	Slight NNW	12	4.25
12	" ESE	14	4.25
19	" SW	8	3.25
26	" SSE	7	3.75

Work of R. H. Finch

An account of the slight summit activity of Mauna Loa in November was prepared as a Press Release. Routine measuring of seismograms

and plotting of records was kept current. One day was spent on a trip into the Kau desert.

Work of G.C. Omer

On his days with the Observatory Mr. Omer assisted with seismological routine and then spent most of the time in making magnetic observations with a dip needle. The area covered ranged from 10,000 feet on northeast rift of Mauna Loa to the O.P. station at Panau.

R.H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1929)

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

FILE NO.

MONTHLY REPORT

November, 1943

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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December 17, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of November, 1943:

Introduction

The continued dry weather, though providing beautiful days for the numerous military and civilian visitors to enjoy the park, was a source of much concern to the Volcano House management and to the park. Water in storage was reduced to such a low level that it became necessary to close the four hotel cottages to conserve the supply. Only the main hotel building was operated during the month.

General Weather Conditions

The maximum and minimum temperatures at Kilauea were 74° and 42°. Rainfall totalled 2.82". At Haleakala the maximum and minimum temperatures were 70° and 40°. Rainfall totalled 0.42". There was light fog at Kilauea on three days.

Superintendent's Special Activities

The superintendent worked with the Rationing Board of the Office of Price Administration on gas rationing throughout the month, taking annual leave for the purpose. On November 6th and 7th he attended a Keymen and Laymen Conference at the Y.M.C.A. camp near the park. This was a most important conference locally as it brought together for the first time at a community affair representatives of organized labor and of Management. A representative of the National Labor Relations Board was also present and made an outstanding address. On the 7th he conducted a park tour for a group attending the conference.

On November 18th, he attended a Y.M.C.A. Luncheon at the Chamber of Commerce in Hilo, and on the 29th a Boy Scout Executive Meeting and luncheon. On November 29, he attended a Vocational Guidance Committee Meeting. Selective Service meetings were attended during the month.

Research & Observation

The volcanologist reports that Kauna Iou staged a small summit

RECEIVED AS FOLLOWS

- 2 -

eruption during November. The first surface manifestation was a conspicuous fume cloud that was observed over Mokuaweoweo on November 11. Judging from the report of a National Park party which was at the summit of Mauna Loa on November 19, steam was issuing in an unusually large volume. The seismographs indicated that a maximum of activity was reached about November 22. This was shown both by harmonic tremor, an indication of lava surging near the surface, and by numerous small earthquakes. Apparently molten lava reached the surface or a crack was heated to incandescence as a glow was observed over Mauna Loa on November 23. The slight amplitude of the harmonic tremor indicated that but a small amount of molten lava was involved.

93 seismic disturbances were recorded on Mauna Loa while 79 were recorded at Kilauea. The majority of the disturbances occurred on November 21, 22, and 23rd.

Book

The assistant to the superintendent made a trip to the Haleakala section from November 13 to 30 for administrative and research purposes. Park service and army installations were inspected and many matters were discussed with Ranger-in-charge Hjort. A nine-day trip into the crater was made with Ranger Hjort present most of the time. The native forest at Paliku was given some study, and a small amount of reproduction of all the species of trees was discovered to be present. The wet forests of Kipahulu Valley and the heights outside the north rim of the crater were also visited to see if the rare and little-known Hawaiian Bird, Palmeria, was still existing. On the last trip to the forests of Kipahulu Valley, they were found at about 5,600 feet elevation. This bird was last reported at the time of its discovery about 40 years ago. Interviews were had with different people on Maui to obtain more records for Haleakala.

Indicating quinine growing is feasible in the islands, Colin G. Lennox, president of the territorial board of agriculture and forestry, said he found during his recent Big Island trip, 300 cinchona trees planted by the board in 1939. These are flourishing in a forest reserve above Honohaa, according to Mr. Lennox, and have grown to a height of about eight feet, with trunks of from two to two and a half inches in diameter. Whether enough quinine can be extracted at this time is questionable, Mr. Lennox said, because of the young age of the trees and because the species is not the type commercially grown. The board will act on an agreement with the University soon, and if both groups decide favorably, the U. S. Department of Agriculture will furnish seedlings of a high yielding strain and funds for the experimental planting here.

Forest Protection

Work was started toward substantial reduction of the goat population of the park. It is planned to devote much time to goat control in the coming months in order to give the native forest protection it needs. Hog wire was collected from several sources and wings were constructed near the end of the Mauna Loa truck trail for goat drives. Drives will be made on Mauna Loa until goats are reasonably cleared out.

Twenty-nine goats and two pigs were destroyed at Kilauea during

RECEIVED AS FOLLOWS

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November. In the Haleakala section seven goats were killed.

Police Protection

The help of the Hilo Police was obtained in tracking down local youths responsible for breaking into the Volcano House stables. The case has not yet been brought to trial. Several day and night patrols were made by the rangers. Travel counts were made on the 18th and 19th.

Fire Protection

The quarterly fire and sanitation inspection was made, covering all park residences, utility buildings, administration building, observatory-naturalist building, and all park operator's buildings. Fire extinguishers and other fire fighting equipment were also checked upon.

Labor Conditions

The great influx of defense workers into the Territory shortly before and since the start of the war, almost all of whom are members of organized labor, has given impetus to the labor movement in Hawaii. Before the pre-war emergency organized labor was a negligible factor here and management had a relatively simple labor problem. In order that the unavoidable advance of the organized labor movement might be accomplished with as few of the troubles common to the movement on the mainland the Y.W.C.A. at the urging of the superintendent and a few others, undertook a year ago to bring together the unnecessarily divergent and for the community often disastrous views of labor and management. That this bore some good fruit was shown at the Y.W.C.A. Keyman and Laymen conference previously referred to in this report.

Travel

At Kilauea civilian visitors were estimated to total 11,474 and military visitors 21,195 compared with 12,972 and 14,040 for November, 1942.

At Haleakala, visitors were estimated to total 1,790 for the month of November including 1,565 in the armed forces. For the same month last year, there were no civilian visitors and 635 military visitors.

Miscellaneous

The Hanalea Hotel in Hilo, formerly owned by Senator W. H. Hill, has been sold to W. D. Child, part owner of the Blaisdell Hotel in Honolulu, and Dr. D. L. Burlingame of Honolulu and associate for approximately \$160,000. The new management took over as of December 1st. The decision to sell was undoubtedly influenced by Senator Hill's failure to obtain the hotel site in fee simple from the Territory.

All members of the joint senate-house legislative holdover committees were called into session to study the "acute" problem of salaries of territorial government employees, including teachers. Up for

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special study is the teachers' salary question and the problem is said to be so serious that it may require a special session of the legislature.

Edward G. Wingate,
Superintendent

Orig. & 4 - Director
c.c. - Region Four
c.c. - File

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

December 6, 1943

MEMORANDUM for the Superintendent

There follows the monthly report on activities of the Assistant to Superintendent and of the Ranger Division:

Police Protection

The help of the Hilo police was obtained in tracking down local youths responsible for nuisances at the Volcano House stables. Several day and night patrols were made by the rangers. Travel counts were made on the 18th and 19th.

Fire Protection

The quarterly fire and sanitation inspection was made and a report with recommendations submitted. Standing water supplies at fire cache #1 and the 6,700 ft. stables were improved with installation of a 300 gal. tank at the former and the repair of the stables roof gutter at the latter site.

Forest Protection

Work was started toward substantial reduction of the goat population of the park. This urgent work was made possible by partially releasing rangers from telephone maintenance work and by the return of one man to ranger work who had been assisting the maintenance division. It is planned to devote much time to goat control in the coming months in order to give the native forest the protection it needs.

Hog wire was collected from several sources and wings were constructed near the end of the Mauna Loa truck trail for goat drives. Drives will be made on Mauna Loa until goats are reasonably cleared out. Then drives will be conducted in the lowlands after transferring the fencing down there.

Twenty-nine goats were destroyed during November.

Two pigs were destroyed.

Communications

The rangers and C.O. Guy Omer put the telephone line up Mauna Loa

back into operation after it had shorted out in several places. It is now in working order up to the 10,000 foot rest house. Arrangements were made with the army through the office of the commanding general to send park calls from the lower forest phone stations through the K.M.C. switchboard to the park board. This has not yet been put into effect. Phones were installed at Uwekahuna, Hilo entrance, Kipuka Nene, Bird Park, and the lava tube. Much servicing work remains to be done as soon as Omer can be assigned to it.

Trails

Old signs badly defaced along the Chain of Craters road were repainted. Road directional signs were re-installed. Dangerous army installations near the Kilauea-iki rim foot trail were investigated. Letters were sent to sign scribblers with warning not to repeat the offense.

Maui inspection

The assistant to superintendent made a trip to the Haleakala section from November 13 to 30 for administrative and research purposes. Park service and army installations were inspected and many matters were discussed with Ranger-in-charge Hjort. A nine-day trip into the crater was made with Hjort present most of the time. The native forest at Paliku was given some study, and a small amount of reproduction of all the species of trees was discovered to be present. Recommendations were made to the Ranger-in-charge that the corral be moved away from the forest fringe to a nearby spot where it will not interfere with forest reproduction and also will be less visible from the visitors' rest house. This can be done without involving undue extra work, as the present corral fence is in bad condition and needs new posts at once. It was also recommended that in the future no employees be allowed to tether mules in the grass under the forest trees, where a young pilo was observed trampled in recent months.

Goats appeared to be fairly well controlled though still present in some numbers. Fencing material is needed to increase the effectiveness of the goat control work.

The wet forests of Kipahulu Valley and the heights outside the north rim of the crater were visited to see if the rare and little-known Hawaiian bird, Palmeria, was still existing. On the last trip we found them at about 5,600 feet elevation. This bird was last reported at the time of its discovery about 40 years ago.

Interviews were had with David Fleming, Lorna and Robert Von Tempsky to obtain nene records for Haleakala. All three had worthwhile information, though none knew of any existing stuffed nene specimen from Haleakala.

Paul H. Baldwin
Paul H. Baldwin,
Asst. Superintendent

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

November 30, 1943

MEMORANDUM for the Superintendent
(Through the Asst. Superintendent)

Subject: A report of activities for the month of November, 1943.

Considerable time was spent on fire and sanitation inspection. All fire extinguishers, park and hotel owned, were checked on numbers and locations.

A water tank was installed at fire cache #1 at Mauna Loa road. A new water gutter was built and installed at the horse stables on the end of the Mauna Loa truck trail.

Some newly painted signs were installed on roads, and worn signs along the chain of craters road were brought in for repainting.

Some time was spent hauling water to the water tanks at the end of the Mauna Loa truck trail.

A section of broken fence was repaired at Kipuka Ohaina horse paddock. Sometime was spent shoeing some park horses and also trying to locate some horses and mules which were missing from the horse paddock. The riding and park equipment were checked upon.

Considerable time was spent on checking equipment which was received from the CCC.

A two day patrol and water gauge reading was performed, covering the areas of Hilina, Pepeiau, Kamakai, Mauna iki and Puu O Hale. 7 goats were destroyed during this trip.

Office duty, day and night patrols were performed, and two travel counts taken.

The telephone boxes along line #10 were checked and some were repaired. A telephone was installed at the lava tube shelter and one at Nene.

Some road blocking was done along the road past the K.M.C. rubbish dump. Guavas were dug out along the Mauna Loa road.

The hog wire fence around the horse stables was taken down and replaced with ordinary stock wire.

The telephone line at Ainahou leading to Shipman's home was repaired.
Some repairs were also made on the telephones at cottage #17.

A. B. Medeiros

A. B. Medeiros,
Ranger

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

December 2, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of November, 1943.

Forest protection

During the month of November, several trips were made on goat control. On the 7th I took the 29th Co., Hawaii Rifles, up the Mauna Loa truck trail where we did scouting and patrolling around the Maunaiu section. On this trip seven goats were destroyed, and on the 29th, nine more were destroyed. Four more goats were also destroyed above fire cache #1. On the 9th Ranger Medeiros and myself hauled four rolls of hog wire from the corn field. On the 11th we repaired a fence line on the upper left corner of the horse corral.
2 rigs destroyed during the month.

Fire protection

On the 1st to the 5th, I did some ^{fire} sanitation work, covering all buildings within the utility and volcano house area and on the 6th hauled a galvanized tank to cache #1. On the 10th, 350 gallons of water was hauled to the 6,500 ft. rest house.

Communication

A desk phone was installed at the University building and the wall phone taken out and installed at the Hilo Entrance guard house. The Ainahou telephone line was checked and the wall phone at the Ainahou laborer quarters taken out and installed at Kipuka Nene rest house.

Police work

On the 18 and 19 traffic count work was performed at the Hilo Entrance. On the 27th I made a patrol trip covering the Chain of Craters, Halemaumau, Uwekahuna, Bird Park, Hilo entrance, lava tubes, and returned to park headquarters.

Special detail

On the 12th of November, I attended an army problem held in the Halemaumau area.

From the 20th to 21st, I went on maneuvers with the H Company, Hawaii Rifles, of Mountain View. We were transported by army trucks to the Wainaku camp where we slept until 4:00 a.m. at which time orders were given to move out. What followed, is a military secret.

Thompson Kauhi

Thompson Kauhi,
Ranger

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

*Recd. 7, 14/3
Dec. 7, 1943
P.H.B.
E.P.W.*

Wailuku Maui
Dec. 3, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Assistant Superintendent Paul H. Baldwin:

The following narrative report for the month of November, 1943 is respectfully submitted;

000 General 010 Introduction

Maui is preparing to receive about 20,000 marines, the first contingent of which has arrived. Their camp site is near Haiku. Another large camp is being constructed in Kihei to take care of another group. Most of these men are from the South Pacific and some have seen action. The sudden rise in population here will naturally cause an increase in park visitors and will also create more problems in park use and misuse as have the arrival of all previous military groups. Past experiences, however, should help to guide us in preventing many of our previous mistakes in the handling of these men.

A sever drought has again hit Maui. Many people in Kula who are dependent on the Olinda reservoir for water have been forced to haul their own water. The cattle industry has been hit hardest with the cattle from the drier paddocks being crowded into the areas where water is more abundant and thus causing overgrazing. Army camps have moved in all over and create an additional load on already overtaxed water systems.

020 General weather conditions 021 In the park

Max. temp.-----68 degrees on the 2nd, 11th, 17th, and 24th.
Min. temp.-----40 degrees on the 21st, and 22nd.
Rainfall total-----0.42 inches falling on 5 different days
Clear days-----19
Partly cloudy days-----10
Cloudy days-----1

100 Administration 120 Park inspections by 123 National Park Service Officer

Assistant Superintendent Paul H. Baldwin visited this section of the park for the first time since becoming a member of the staff at the Kilauea section. Mr. Baldwin arrived on the 13th and left on the 30th. During his stay he visited all of the crater cabins as well as many other points of interest both in and outside of the park.

300 Activities of other agencies in the park 350 Donations and accessions of all kinds

Four loads of kiawe wood were received from the Kahului Air Base this month. The wood is cut by the Navy to the required lengths and all we have to do is to haul it up the hill.

500 Use of Park facilities by the public 510 Increase or decrease in travel

Travel figures for this month show an increase in both military and civilian visitors. More trucks and busses loaded with military personnel were observed on their way to the summit. The increase in civilian cars is perhaps due to the improvement in the tire situation. There is no known reason for military figures to be up as the marine camp mentioned in the opening paragraph has not started to send men up as yet.

The increase in camper figures was due to one outfit of artillery whose officers decided that all the men should go through the crater before leaving the island for parts unknown.

600 Protection 640 Destruction of predatory animals

Seven goats were killed in the park this month. Only one trip was made specifically for hunting goats.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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Monthly Report
October, 1943

Three days each week was spent on road maintenance; and three days each week was spent on preparing an annotated check list of the plants of the Kilouea section of the Hawaii National Park. Also during the month I spent two days in recording the rainfall (Oct. 15 and Oct. 31), and one day with Paul Baldwin in the vicinity of Kipuka Puauku identifying various trees and in taking a bird count.

Arthur Mitchell

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

December 8, 1943

MEMORANDUM for the Superintendent

Report of Hawaiian Volcano Observatory for November

Mauna Loa staged a small summit eruption. The first surface manifestation was a conspicuous fume cloud that was observed over Mokuaweoweo on November 11. The fume was noticed twice on subsequent dates. Judging from the report of a National Park party which was at the summit of Mauna Loa on November 19, steam was issuing in an unusual large volume.

The National Park seismographs indicated that a maximum of activity was reached about November 22. This was shown both by harmonic tremor, an indication of lava surging near the surface, and by numerous small earthquakes. Harmonic tremor was noticed on the seismographs on November 21. The tremor reached a maximum on November 22 and disappeared on November 23.

Apparently molten lava reached the surface or a crack was heated to incandescence as a glow was observed over Mauna Loa on November 23. The slight amplitude of the harmonic tremor indicated that but a small amount of molten lava was involved.

There have been good indications for nearly a year of a sustained and fairly high pressure under the Kilauea-Mauna Loa volcano system. The preponderance of Mauna Loa shakes over those of Kilauea origin had been pointing to Mauna Loa's preparation for some form of activity.

Fume was observed but a few hours after the conspicuous earthquake of November 10 in which movement of a large block in the southwestern slope of Mauna Loa was involved.

The few earthquakes that we have had lately indicate a greater uneasiness in the southwest rift of Mauna Loa than in the northeast one.

93 seismic disturbances were recorded on Mauna Loa while 79 were recorded at Kilauea. The majority of the disturbances occurred on November 21, 22, and 23.

But very little movement was noted at the cracks around Halemaumau

though a majority of those along the Chain of Craters Road showed a slight opening.

Tilt for the month was slight to the northwest. Most of the westerly tilt occurred at the time of an earthquake on November 10. This shake originated on the southwest slope of Mauna Loa and was strong enough to be plainly felt over the southern half of this island.

The following table shows some of the quantitative data obtained during the month.

Week ended	Tilt	Seismic disturbances	Seismicity
Nov. 7	Moderate NE	4	1.50
14	Strong WNW	6	4.75
21	Slight N	6	2.55
28	" S	59	14.75

Work of R. H. Finch

Routine care of instruments and measuring seismograms took up a large percentage of my time. The Hilo seismograph was given an abbreviated overhaul. Some work was done on the Volcano Letter for October December 1943.

Work of G. C. Omer

He worked part time at the observatory. When not helping in routine seismological work, he was principally employed on magnetometer work on both Kilauea and Mauna Loa.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

October, 1943

IMPORTANT

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

ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE

6-7410

RECEIVED AS FOLLOWS

November 15, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of October, 1943:

Introduction

There was a noticeable lessening of use of the park roads and the training area by the army. Only a negligible amount of additional damage was done by heavy vehicle use. This lull gave the park maintenance crew an opportunity to get some needed repairs made with a fair prospect of the patching holding up for a time. Completion of the present training program probably accounts for the lessened use. Every effort is being made to get the urgent patching done before heavy traffic starts again, but the limited number of men available, even with ranger and C&S help, cannot make very rapid progress.

The return to duty on October 1 of the clerk-stenographer after her long hospitalization was a big help to the staff as she is the only stenographer available and in addition handles the files and the switchboard. She had made a fine recovery from her serious accident.

An unidentified plane in the early morning of October 14 caused a flurry of excitement on Oahu. It was caught by searchlights and fled to sea.

On October 14 following conferences between Department of Justice and War Department officials and Federal Judge D. E. Metzger in Honolulu, the Military Governor rescinded General Order No. 31 of August 25 which specifically prohibited the issuance of writs of habeas corpus and interference with military operations or personnel. Then at a hearing in Judge Metzger's court an attorney of the Department of Justice, representing General Richardson, the Military Governor, moved to have set aside and vacated Judge Metzger's order of August 26 finding the general guilty of contempt and fining him \$5,000. After hearing argument on the legal aspects of the issue the judge declined to vacate the order but reduced the fine to \$100.

General Weather Conditions

The maximum and minimum temperatures at Kilauea were 74° and 49°.

RECEIVED AS FOLLOWS

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Rainfall totalled 2.74". At Haleakala the maximum and minimum temperatures were 71° and 40°. Rainfall totalled 0.64".

Superintendent's Special Activities

The Superintendent was at Headquarters throughout the month. He attended a B.S.A. Executive Meeting and meetings of the Selective Service Board at Olan. He was a guest at a Navy Day luncheon in Hilo at which Admiral A. D. Bernhard was the principal speaker. He was in Hilo on the 30th for a Y.M.C.A. conference planning committee meeting, and to confer with air corps officers engaged in photographing in the Puna district for the Kalapana land appraisal board.

Cooperating Government Agencies

In the Haleakala Section, Brigadier General Meyers, Commander Maui Area, granted permission to have the park open for twenty-four hours each day beginning November 1. This will allow visitors to once more see the sunsets and with a night pass from the Provost Marshal's office, to see the sunrises also.

Up to the end of the month no word had been received from the Civil Service relative to placing the park naturalist who was one of several employees released because of insufficient funds.

Concessions

An agreement was reached with the new management of the Maui Grand Hotel to reopen the saddle horse and lunchroom concession at Haleakala. This concession had been allowed to lapse since the start of the war but requests for this service since the park was reopened to the public justify the operation on an experimental basis. A miscellaneous service permit was prepared and forwarded for signature by the hotel management.

The continued dry weather is causing such concern as the water supply at Kilauea is very low. It was necessary to close the hotel cottages to conserve the supply. Tanks belonging to the Volcano House that were nearly completely drained by the army a year ago, have lost much water through leakage from cracks caused by drying out of the tanks. Additional needed water has been lost during heavy rains because the park pump and 2" pipe line are too small to handle the volume of water draining into the reservoir. Consideration is being given to the installation of additional surge tanks.

Research & Observation

The Volcanologist reports that the seismic lull that started in April 1943 was interrupted about the middle of October by the occurrence of several shakes most of which were of Kilauea origin. The strongest of the series which occurred at 3:07 a.m. October 20, originated at a depth of 5 miles below the southern end of Kilauea crater. It was felt locally and in Hilo. During the month 22 seismic disturbances were recorded at Kilauea and 33

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at Mauna Loa.

Large dust clouds from landslides were observed over Haleakala on October 12 and October 20.

One crack at the tourist observation place rim opened slightly. At other cracks but little or no movement was observed.

Ranger Medeiros saw one nene at 7,500 feet on Mauna Loa on October 8. Bird census work was continued by the assistant superintendent who also assembled his records of nene distribution and completed the first draft of a report on the range of the nene. One day was spent in Bird Park locating living specimens of the several rarest species of trees there with some success.

Forest Protection

Twenty-one goats and 13 pigs were destroyed at Kilauea. In the Haleakala section, twenty-three goats were killed, and one mongoose was killed at Holua cabin. This is the first time that their presence was known at Holua.

Police Protection

Considerable time was spent in police work during the month of October. On October 6, Ranger Kauhi's wallet was stolen by a soldier at the Volcano House. Cooperation was obtained from the Military Police, and the wallet was retrieved. On October 12, it was discovered that someone had broken a door at Quarters #1 and forced entry. The cooperation of the Hilo Police and the Military Police were obtained but nothing was learned.

The Makaopuhi trailside shrine was broken into and part of the exhibit removed; painted signs were scribbled on by the public in many instances during October; names were taken from the signs when addresses and dates were written with them. Probably more than half the defacements were done by soldiers, but many local names were there also.

Interpretation

Mauna Loa eruption movies were shown to 250 soldiers at Kilauea on October 13 and to 30 I.W.O.A. girls at camp Hale O Aloha on October 22. The matter of showing these movies to I.W.O.A. guests was discussed with camp officials, and they will request them when they feel the size of the audience will justify it.

Travel

At Kilauea, civilian visitors were estimated to total 10,137 and military visitors 23,062 compared with 12,972 and 26,080 for October, 1942.

At Haleakala, visitors were estimated to total 1,100 for the month of October, including 950 in the armed forces. For the same month last year, there were no civilian visitors and about 350 military visitors.

RECEIVED AS FOLLOWS

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Miscellaneous

Air transport service between the islands every-hour-on-the-hour with high speed airplanes carrying between 25 and 30 passengers and with improved terminal facilities to expedite the dispatch of passengers and freight is planned by Hawaiian Airlines as soon as conditions permit according to Mr. Stanley G. Kennedy, president and general manager.

Although admitting there was no shortage of butter in the Territory, the office of food control and the federal food distribution administration adopted a program to urge house wives, restaurants and hotels to use less butter as both food agencies said that there was a tremendous waste of butter in the Territory.

Brighter driving lights for Big Island motorists were authorized by the Military Governor. Motorists were authorized to enlarge the white slot on their headlights to 3-8 of an inch in width and extend it across the entire face of the head lamp beneath the light shield. However, those who are satisfied with their present driving lights may continue to use them.

On October first, the park staff and local friends gave a farewell dinner at the Volcano House for park naturalist and Mrs. Fagerlund.

One additional conscientious objector reported for assignment on October first by order from the Selective Service headquarters in Honolulu.

Laborers Peleiholani and Hauania, Jr., were directed to assist local police in their efforts at recovering the body of a boy drowned at Kalapana. Though they are the best divers in the region their efforts were unsuccessful.

Local newspapers gave publicity to the report that a battalion of American-born Japanese many of whom are from Hawaii had gone into action with the United States 5th army in Italy, and had received the praise of General Mark Clark for their behavior under fire and combat discipline.

The influx of military personnel and defense workers has brought a boom in the lauhala (Pandanus) weaving business and some local men are considering industrializing it after the war. One woman has been reported to have earned \$100 a week from her weaving. Almost all the lauhala products are of genuine worth and use and should find a market on the mainland.

Edward G. Wingate,
Superintendent

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

November 1, 1943

MEMORANDUM for the Superintendent:

The monthly report for October 1943 on activities of the Ranger Division and the Assistant Superintendent follows:

Police Protection

Considerable time was spent in police work during the month of October. On October 6, Ranger Kauhi's wallet was stolen by a soldier at the Volcano House. Cooperation was obtained from the Military Police, and the wallet was retrieved. On October 12, it was discovered that someone had broken a window at Quarters #1 and forced entry. The cooperation of the Hilo Police and the Military Police were obtained but nothing was learned.

Two instances of shooting by soldiers in the park were reported.

The Mauna Loa fence was cut through, and a jeep seen up there on October 25 was reported to Major Daniels. Colonel Fitzgerald at K.M.C. was requested to help keep soldiers off the private roads and residential property in the park. Eleven horses and five head of cattle from the Keauhou Ranch were found on park land during the month and were removed by the ranch at our request. Cattle from the Kapapala ranch continued to graze in Kipuka Ki all month because the fence the ranch started to put up has not been completed. The Makaopuhi trailside shrine was broken into and part of the exhibit removed; the park foreman was requested to replace the broken hasp and padlock. Painted signs were scribbled on by the public in many instances during October; names were taken from the signs when addresses and dates were written with them. Probably more than half the defacements are done by soldiers, but many local names are also there. Assistance was given at the Volcano House when a man died in the entrance hallway on October 14.

Fire Protection

A fire drill attended by eight staff members was held on October 19. A 300-gallon iron tank was retrieved from the old Ainahou O.P. and is being welded and painted preparatory to installing at Fire Cache #2; a stand was built for it. Estimates were prepared for fire equipment and supplies for 1945.

Interpretation

Mauna Loa eruption movies were shown to 250 soldiers at Kilauea on October 13 and to 30 Y.W.C.A. girls at Hale O Aloha on October 23. The possibility of showing these movies to K.M.C. guests was discussed with Captain Eckert in the absence of Colonel Flemings. The camp will request them when they feel the size of the audience will justify it.

Sanitation

A complaint was received from ~~Colonel~~ ^{old CCC adjacent to an army post.} ~~the K.M.C. dump~~ ^{the Kilauea Rest Camp} that garbage was being dumped at the ~~old~~ ball field. This was rectified. Our inspections revealed unburned garbage at the old K.M.C. dump; this was reported to ~~Captain Eckert~~ ^{the camp} for action.

Telephone Service

Considerable maintenance work was accomplished on line 10, and the line was put in working condition as far up as the 10,000 ft. rest house. Trouble shooting and minor repairs were performed on line 8.

Trails patrols and maintenance

The 10,000 ft. rest house was cleaned and garbage burned. The Lava trees trail was reported overgrown with thimbleberries in places by Ranger Kauhi. A complaint was received through the manager of the Volcano House that the rest room facilities at Uwekahuna are inadequate and leading to embarrassment of his hiking guests. It is recommended that the tank to the men's toilet be cleaned so this unit can be opened for public use. The women's toilet at Halemaumau was cleaned and repainted inside. A dilapidated water collection gutter at the 6,700 foot stables is being replaced. Ranger Kauhi worked with the maintenance division on road repair for 20 days.

Forest protection

The Bird Park fence was patrolled in October 10 by Warden Hauahio.

Twenty-one goats and 13 pigs were destroyed. Four of these pigs were ^{utilized} ~~used~~ at the Waiakea prison camp.

Wildlife

Ranger Medeiros saw one nene at 7,500 feet on Mauna Loa on October 8. Bird census work was continued by the Asst. Superintendent, who also assembled his records of nene distribution and completed the first draft of a report on the range of the nene. Messers Mitchell and Baldwin spent a day in Bird Park locating living specimens of the several rarest species of trees there with some success.

Travel

Travel counts were made on Oct. 21 and 22.

Paul H. Baldwin
Paul H. Baldwin,
Asst. Superintendent

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

October 30, 1943

MEMORANDUM for the Superintendent
(Through the Asst. Superintendent)

Subject: Report of activities for the month of October, 1943

A patrol and inspection tour was made to 10,000 ft. Mauna Loa where I did some cleaning around the building located there. The rubbish was burned at the dump pile and some rat control work performed. During this tour, about 10 or 12 pheasants were observed in one group around the fire cache #2 area. About a mile below the silver sword plant, approximately 8 goats were seen and at about 7,000 ft., one Nene was sighted.

Considerable time was spent on taking down broken and some faded signs and painting and installing new signs. A little time was spent shoeing a few of the park horses. A telephone line inspection was made along line ten from Mr. Finch's residence, to the Hilo entrance to try and locate some trouble.

The water gutter at the end of the Mauna Loa truck trail stables was repaired and I recommend that a new one be built as the present gutter is in bad shape. Office duty was performed, and two traffic counts taken. A few nights and parts of days were spent patrolling the utility area. On this patrol I found that the doors of the Canec cottage were all open, and the basement window of Higashida's cottage was broken. One of the door glasses in cottage #1 is broken. I recommend that this glass be repaired.

A general inspection was made of the telephone lines from the old prison camp to 10,000 ft. A few poles were installed and some new brackets. A few poles that had fallen were lifted, and some broken wires repaired. A few Koa trees had fallen over the telephone line, and they were cleared away. Following the repairing of this section, a test was made and the current went through satisfactorily.

On Oct. 25, 1943, Ranger Kauhi and I did some goat control work around the Mauna Loa section, and during this hunt we destroyed 11 goats.

The steel water tank which stood at the Ainahou outpost for sometime was hauled in and a stand made for the tank to be installed at fire cache #2, Mauna Loa section. Also, a gutter was built to be installed at the stables at the end of the Mauna Loa truck trail.

A. B. Medeiros
A. B. Medeiros,
Ranger

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

November 1, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the month of October, 1943

I spent 20 days with the maintenance crew doing road work, and two half days were spent on traffic count work with the Ranger division.

From the 25th to the 28th I did some communication work in the Mauna Loa section with the ranger division, and on the 29th I made a trip to the Aieahou O.P. for the purpose of hauling in the park water tank.

For the month, 2 pigs and 11 goats were destroyed.

4-11-43

Oct. 31 1943

Thompson Kauhi,
Ranger

*Volcker
for monthly report
E. G. W.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
HAWAII NATIONAL PARK
HAWAII
November 4, 1943

MEMORANDUM for the Superintendent E. G. Wingate:

There is submitted the Park Foreman's monthly report for October 1943.

A total of 64 mandays was used on road maintenance. Of this a total of 33 mandays was used in repairing chuck holes, road shoulders and cracks on the Mame-lahoa highway, chain of craters road and short cut to rim road from Hilo entrance. 29 mandays was used for crushing rock and 2 days to Hilo for bitumuls.

9 mandays was used on grounds.

9 man days was used for sewage disposal, hauling kerosene and firewood, and cleaning incinerator.

4 mandays was used on buildings.

The park foreman worked on the following heavy equipment throughout the month: Road roller, car numbers 795, 799, 13, 791, 794, 802, 781, 792, 800 and 785.

Water was pumped to the park high tanks every third day. 54,000 gallons was pumped to the Volcano House tanks during the month.

Conscientious objectors turned over the foreman:

Arthur Mitchell - - - - - 11 days
Guy Omer, Jr. - - - - - 6 days

William Peleholani and J. Hananio, Jr. was sent to Kalepana on October 13 to recover a drowned boy's body but, was not successful in locating it.

Bernard H. Waltjer

Park Foreman

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

Red
11/6/43
P.H.B.

Wailuku Maui
Nov. 4, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Assistant to the Superintendent Paul H. Baldwin:

The following narrative report for the month of October, 1943 is respectfully submitted;

000 General 010 Introduction

Water shortage has again threatened this end of the island. The reservoir at Olinda is empty so nearly all of Kula is out of water. The Kula Sanatorium has had to move a great number of its patients to some other hospital in order to operate at all. The Army camp at Puu Nianiau has again started to borrow water from our reserve supply.

020 General weather conditions 021 In the park

Max. temp.-----71 degrees on the 16th
Min. temp.-----40 degrees on the 4th, and 30th.
Rainfall total-----0.64 inches on 6 different days.
Clear days-----18
Partly cloudy days-----12
Cloudy days-----1

300 Activities of other agencies in the park 320 Cooperating government agencies

The Army M.P. guard which formerly was posted at the entrance gate to the enclosure on Red Hill has been moved down to where the Army road joins the park road near the parking compound at the end of the park road. This is a big help to us here as this keeps cars out of the entrance to Sliding Sands trail and surrounding area where military personnel have made a habit of tracking up the cinders and attempting to take jeeps down the trail. The move was made because previously the radio relay equipment in the observatory was unguarded.

Brig. General Meyers, commander Maui area, granted permission to have the park open for twenty-four hours each day from this month on. This will allow visitors to once more see the sunsets and with a night pass from the Provost Marshals office to see the sunrises also.

400 Flora, fauna and natural phenomena Animals (470)

A small bunch of wild horses has been coming from around the mountain above Ulapala-Kula Ranch and grazing below the Old Rest House. According to the neighboring ranch managers they have been on the mountain for a number of years and are of no value to any one whatsoever. The Army asked me if I could get one for them for dog meat so several days ago I spotted one above the road in a good position and killed it. After cleaning it I called the Army Veterinarian who had asked for one to come and get it. To this date no one has showed up for the meat and it had to be buried.

600 Protection 640 Destruction of wild animals

23 goats were killed in the crater this month. The goats are now broken up into small bunches and are scattered all over the crater area.

One mongoose was killed at Holua cabin this month. This is the first time that their presence was known at Holua.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

November 8, 1943

MEMORANDUM for the Superintendent:

Report of the Hawaiian Volcano Observatory for October

The seismic lull that started in April 1943 was interrupted about the middle of October by the occurrence of several shakes most of which were of Kilauea origin. The strongest of the series which occurred at 3:07 a.m. October 20, originated at a depth of 5 miles below the southern end of Kilauea crater. It was felt locally and in Hilo. During the month 22 seismic disturbances were recorded at Kilauea and 33 at Mauna Loa.

Large dust clouds from land slides were observed over Halemaumau on October 12 and October 20.

At 6:45 a.m. October 10, A. L. Jess, from the summit of Mauna Kea, observed a large fume column rising from the southwest portion of Mokuaweoweo.

One crack at the tourist observation place rim of Halemaumau opened slightly. At other cracks but little or no movement was observed.

Tilt for the month was normal or slight to the NE.

The following table shows some of the data obtained during the month:

Week ended	Tilt	Seismic disturbances	Seismicity
Oct. 3	Slight NNE	1	0.25
10	Slight NNE	2	1.25
17	Slight NNE	5	3.00
24	Slight NE	7	4.00
31	Very slight SSW	8	2.75

Work of R. H. Finch

Routine operation of seismographs and the reading of seismograms

occupied most of my time. Trips were made to the seismograph stations at Hilo and Kealakakua. A weight drive was installed on the Busch-Omeri seismograph.

Work of Guy C. Omer

Dr. Omer started working 3 days a week at the Observatory on Oct. 2. He learned the seismological routine and tends to the Mauna Loa seismograph during the last three days of the month. He started a magnetic survey of the area adjacent to Kilauea. Part of one day was spent on a start to organize the Observatory machine shop.

R. H. Finch,
Volcanologist

R. H. Finch

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

September 1943

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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November 2, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of September, 1943.

Introduction

The only event of special interest was the arrival at the park, early in the month, of the board of appraisers, appointed by the Commissioner of Public Lands to reappraise the private lands in the Kalapana addition to the park. The board was here for a week during which several conferences were held and they were taken on field trips through the area by the rangers. The Commissioner was also here at the same time and the acquisition of these lands was again discussed with him and it is now believed that early action will be taken by the Territory toward rounding out this addition.

Park employees, as usual, responded generously to the Third War Bond drive. Returns show 93% participation with payroll deductions of 16% of gross salaries. Special bond purchases during the month amounted to 95% of the amount of the payroll deduction.

The maintenance crew with ranger help concentrated on road repair, but progress is slow because of lack of sufficient men to operate the crushing plant and trucks, and to spread and roll the materials. However, the progress of the work was aided by a lull in the very heavy traffic of the past year.

General Weather Conditions

The maximum temperature at Kilauea was 77° and the minimum 48°. Rainfall totalled 3.36". At Haleakala the maximum and minimum temperature was 70° and 40°. Rainfall totalled 3.39" on 13 different days.

Superintendent's Special Activities

The Superintendent was at Headquarters throughout the month. He made an inspection of the Park roads to Makenopuhi, attended a B.S.A. Executive meeting, and a meeting of the Vocational Guidance Committee in Hilo.

Meetings of the Selective Service Board at Olan were attended.

Lectures, Guide Service, etc:

The Park Naturalist gave 2 lectures in the Park to a total of 120 people

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and 1 outside the Park to a total of 400.

At Haleakala, three trips were made on foot during the month through the crater with service men. The number making these trips is decreasing steadily as the trip is a little too long for most men to enjoy and the majority of the men wishing to see the crater in this manner have already done so.

Research & Observation

The Volcanologist reports that the seismic lull that started with April 1943, continued through September. 18 seismic disturbances were recorded at Kilauea 5 of which were classed as earthquakes and the rest as tremors. 5 distant earthquakes were recorded during the month, some with indicated origin in Japan. But few of the cracks around Halemaumau and along the Chain of Craters Road exhibited any movement. Loose material continues to fall into the cracks at the Tourist Observation place on the rim of Halemaumau. One of the cracks here is over 2 feet wide at one place.

The Park Naturalist spent almost the entire month preparing a check-list of plants of the Kilauea - Mauna Loa Section of the Park and in preparing a list and a paper on exotic plants. The first drafts of both were completed. The herbarium now contains more than 1,200 sheets all, or nearly all, completely named. This represents a fairly complete collection of plants in the Kilauea - Mauna Loa Section, except the recent addition to this section of the Park in the Puna District. In addition to those above mentioned, there are several hundred sheets of Haleakala plants and a hundred or more plants from outside the Park.

The Assistant Superintendent made a 3-day trip to Kohala and Kona in which he interviewed Mr. Ronald Von Holt, Frank R. Greenwell, and David Paris, for records of nene occurrence. Native bird counts were also made by the Assistant Superintendent, and census records brought up to date.

Forest Protection

Twenty-nine goats and 5 pigs were destroyed at Kilauea. In the Haleakala section, twenty-four goats and one wild pig were killed during the month of September.

Police Protection

Patrol work was continued, though on a somewhat reduced schedule owing to personnel reductions. Empty houses in the residential area and the Mamalahoa highway were patrolled, and several night patrols of the headquarters area were made.

Two soldiers were reported to their company commander for indecent conduct. They were dealt with to our satisfaction.

HAWAII NATIONAL PARK
HAWAII

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- 3 -

Trails and grounds

Advice was given the planting crew at the Kilauea Military Camp on use of native shrubs for landscaping. Sites were selected from which desirable plants could be removed by them.

Travel

We were requested by the Army Censor to refrain from sending travel figures for members of the armed forces via radio to the Mainland.

There were 41,769 civilian visitors to the Kilauea Section compared with 40,080 for September, 1942. Military visitors totalled 30,465.

Travel counts were made on the 27th and 28th of the month.

At Haleakala, visitors totalled 1,395 for the month of September including 1,170 in the armed forces. For the same month last year, there were no civilian visitors and about 350 military visitors.

Miscellaneous

W. M. Ward, Chief of the information section of the war food administration in Washington, who was a visitor on the Big Island, served notice that the islands will have to depend more and more upon home grown food as the Allied offensives liberate new areas of Europe, making new demands upon American granaries to feed the starving in Europe. Mr. Ward was particularly interested in Big Island potato, corn and taro production, and in small farming generally.

Two U. S. senators reporting on their world battlefront tour termed Hawaii's health problem "very serious", and one which requires careful study.

They said rehabilitation of roads in the islands also will require careful study and present estimates of territorial officials placed federal help needed to repair war damage to roads at between fifteen and twenty-million dollars.

Mrs. Eleanor Roosevelt was a recent visitor on Oahu. During her stay there she visited hospitals and inspected Red Cross units. Mrs. Roosevelt was residing at the Royal Hawaiian Hotel. She did not visit the park.

The Assistant superintendent was appointed Chairman of the local Boy Scout Troop Committee.

As this was the last month of service for the park naturalist, he and his family were honored at a farewell dinner at the Volcano House on October 1.

Edward G. Wingate
Edward G. Wingate,
Superintendent

Ori. & 4 - Director
c.c. - Region IV
c.c. - File

HAWAII NATIONAL PARK
NOV 1 1942

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

October 12, 1943

MEMORANDUM for the Superintendent

The monthly report for September on the activities of the Ranger Division and Assistant to the Superintendent follows:

General

The staff reduction was felt in the Ranger Division, as it became necessary to lend Ranger Kauhi to the maintenance division for the greater part of the month. This was to enable the Park Foreman to continue with patching work on the main roads in the park.

Ranger Kauhi was placed in charge of the local unit of Hawaii Rifles, succeeding Mr. Fagerlund.

The Assistant to the Superintendent accepted the Chairmanship of the local boy scout troop committee.

Ranger Medeiros and Warden Hauanio conducted the Committee of Land Appraisers through the lands of the Kalapana extension.

Police Protection

Patrol work was continued though on a somewhat reduced schedule owing to the personnel reductions. Empty houses in the residential area and the Mamalahoa highway were patrolled, and several night patrols of the headquarters area were made.

Two soldiers were reported to their company commander for indecent conduct. They were dealt with to our satisfaction.

Fire Protection

A grass fire at Hilina Pali was investigated by the Assistant to the Superintendent in company with Major Bryan. Certain recommendations were made in order to prevent repetition of the happening as covered in the special report on this fire. Damage to park property was confined to the burning of 25 corral fence posts. These were replaced and the fence repaired by the Army.

Forest Protection

The fences excluding cattle from the Koa preservation plots were checked by Ranger Kauhi. Rangers Medeiros and Kauhi made a five-day patrol to inspect the boundary line fence on the Kapapala side of the park and park structures at Pepeiau, Hilina Pali, Halape, Apua, and Kahue. At the time of this trip, which was early in the month, five coconut seedlings were surviving at Kahue. However, later in the month Medeiros reported that part of the protecting fence was down and donkeys had destroyed all of the seedlings.

Twenty-nine goats and 5 pigs were destroyed.

Telephone service

It has been impossible to get important park calls through the line used jointly with the army in the lower sections of the park. It is hoped a new arrangement can be made with the Army which will give us more dependable service over this line.

A telephone was installed at the new Ainahou Ranch house for emergency use by both ranch and park personnel.

Maintenance work was done on the park residential area line.

Travel

Two 8-hour travel counts were taken, on September 27 and 28. We were requested by the Army Censor to refrain from sending travel figures for members of the armed forces via radio to the mainland.

Wildlife observations and research

At Dr. Holdaway's suggestion, Clifton Davis, former seasonal ranger, was encouraged to prepare a short article for publication giving the results of his fern weevil survey in 1941. Davis agreed to do this, and copies of pertinent records were sent to him.

Mr. G. C. Munro was given permission to quote from our report to the Superintendent of July 1941 concerning bird malaria in his book "Indigenous birds of the Hawaiian Islands."

The Assistant to the Superintendent made a 3-day trip to Kohala and Kona in which he interviewed Ronald Von Holt, Frank R. Greenwell, and David Paris for records of nene occurrence.

Three small flocks of ^{50 to 250} migratory ducks were seen flying over park lands during the month. This is unusual and may signify an increase in migratory

stragglers to the islands over previous years.

Native bird counts were made and census records brought up to date.

Interpretation

The Assistant to the Superintendent escorted Miss Von Holt and Dr. Holdaway around the park. Miss Carey Miller was given assistance in gathering ferns and other Hawaiian foods for nutritional tests at the University of Hawaii laboratories. One radio talk over KHBC for a war bond program was given.

Trails and Grounds

Work was continued on painting of signs for the foot trails by Ranger Medeiros.

Advice was given the planting crew at the Kilauea Military Camp on use of native shrubs for landscaping. Sites were selected from which desirable plants could be removed by them.

Paul H. Baldwin

Paul H. Baldwin,
Asst. to Superintendent

MEMORANDUM FOR THE SUPERINTENDENT

(Through The Assistant-Superintendent)

SUBJECT: A report for the month of September, 1943.

Five days were spent during a tour assisting a party of land appraisers, covering the areas of the Lane's Property through the Hermit's trail to park lands at Polikeawe Pali. The Inahou section to the shore line. Through the Kalapana trail from Makaopuhi Crater passing through Panu section, the Laepuki section, Kamoamo section, and the Kahualea section, stopping at various places. Hatanio'u also accompanied us on this tour. We returned by way along the shore line.

A check was made on the wind mill and water supply at Laepuki village. The wind mill was found unservicable. The water tank next to the sleeping shelter was found full. Kahue, and Apua was checked upon. No coconuts trees were to be found at Kahue. Some have been destroyed by animals and others have died. Previous to this trip, about three weeks ago, Ranger Kauhi and I, observed five of these trees growing. Part of the fence was down and is believed the trees were destroyed by donkeys or horses. Three donkeys were observed on this trip, at Apua, and three horses at Kahue.

About fifty wild ducks were observed flying across the Keauhou Ranch toward Kau. Six ducks were also observed swimming at the Keauhou beach.

Five days were also spent patrolling the areas on the west section along the park and Kapapala boundry line from half-way house to Pepeiau. The Hilina, Ahiu, Kaone, Halape, Apua, and Kahue sections.

Twenty-nine goats were destroyed during this trip. This trip, Ranger Kauhi accompanied me.

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(2)

A telephone line was installed to Shipman's cottage at Inahou. Some repair work was done on the telephone along the Hilina Pali road. Also some time was spent shooing park horses, and some fence repair on the horse paddock.

Considerable time was spent on sign painting. A few patrol trips were performed, covering the Mamalahua highway, the Chain-of-Craters road, and also through the old Keauhou road.

On September 23, 1943, five mules were delivered to the U. S. Army at K. M. C.

Some office duty and two traffic counts were performed. Also made some night patrols. Spent some time on road repairing.

For the month of September, 1943, twenty-nine goats and three pigs were destroyed.

A. B. Medeiros

A. B. Medeiros
Ranger

*Paul
not + give Volka
on report*

PJB

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

Wailuku Maui
Oct. 19, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Assistant to the Superintendent Paul H. Baldwin:

The following narrative report for the month of September 1943 is respectfully submitted;

000 General 010 Introduction

The picture of the Mauna Loa 1943 eruption has been shown to a number of service men and in most of the camps it has seemingly met with approval of the men.

020 General weather conditions In the park

Max. temp.	70 degrees on the 6,7,15,16,24, and 25.
Min. temp.	40 degrees on the 7,15, and 30.
Rainfall total	3.39 inches on 13 different days.
Clear days	10
Partly cloudy days	13
Cloudy days	7

400 Flora, fauna and natural phenomena 410 Ranger guide service

Three trips were made on foot through the crater with service men this month. The number of men making these trips is decreasing steadily. The trip is a little too long for most men to enjoy and most of the men wishing to see the crater in this manner have already done so.

500 Use of Park facilities by the public. 520 Conditions which affect travel.

Fog at the summit of the crater this month has kept a number of people from driving up.

530 Visitors

Mr. Thornton, head of the F.B.I. in the territory; Mr. McEldowney, head of the F.B.I. on Maui; and Mr. Feilds; Maui Navy Intelligence Office were taken on a trip through the crater this month. All men had a little leave coming and took it seeing the sights on Maui.

540 Public Camps

A much larger number of Maui civilians used the cabins in the crater this month than any other month since the war. Many Maui people have the incorrect idea that the winter months in the crater produce all bad weather so they try to get in before this sets in. The winter months are actually better as far as weather is concerned than the summer months for crater travel.

600 Protection 640 Destruction of predatory animals

Twenty-four goats were killed in the park this month. One wild pig was also killed.

Frank A. Hjort

Frank A. Hjort

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

October 12, 1943

MEMORANDUM for the Superintendent:

Report of the Hawaiian Volcano Observatory for September

The seismic lull that started with April 1943 continued through September. 18 seismic disturbances were recorded at Kilauea 5 of which are classed as earthquakes and the rest as tremors. The same number of disturbances, 18, were recorded at Mauna Loa. 5 distant earthquakes were recorded during the month some with indicated origin in Japan.

But few of the cracks around Halemaumau and along the Chain of Craters Road exhibited any movement. Loose material continues to fall into the cracks at the Tourist Observation place on the rim of Halemaumau. One of the cracks here is over 2 feet wide at one place.

Tilt for the month was slight to the NNE.

Some of the data obtained during the month is shown in the following table:

Week ended	Tilt	Seismic disturbances	Seismicity
Sept. 5	Very slight E	3	0.75
12	Slight WNW	3	0.75
19	Mod. NE	8	2.50
26	Slight ENE	5	3.50

Work of R. H. Finch

Routine operation of seismographs and reading of seismograms took up most of my time. The equivalent of about 1 day was spent in cleaning and oiling clocks. A weight drive was added to the Mauna Loa seismograph driving clock.

Capt. P. E. Schulz who is collaborating on special studies of Mauna Loa spent several days at the Observatory.

R. H. Finch

R. H. Finch,
Volcanologist

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

October 5, 1943

MEMORANDUM FOR THE DIRECTOR:

Attention: Naturalist Division.

The Park Naturalist's monthly report for September 1943 is attached.

Edward G. Wingate,
Superintendent

By: *Gunnar O. Fagerlund*
Gunnar O. Fagerlund
Asst. Park Naturalist

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NATURALIST'S MONTHLY REPORT
September 1943

000 - General

The Park Naturalist was separated from the active rolls of the Park at the close of work September 30.

Almost the entire month was spent preparing a check-list of plants of the Kilauea-Mauna Loa Section of the Park and in preparing a list and paper on exotic plants. The first drafts of both were completed. The remainder of the work will be completed in the next few months.

400 - Interpretation

410 - Statistical report is attached.

412 - Public relations, new or unusual activities.

The Park Naturalist gave a one-hour illustrated talk on Pacific food plants and poisonous plants to 400 soldiers at the Kilauea Military Camp.

430 - Research and Observation.

All plants sent to Dr. Harold St. John have been reported on. The herbarium now contains more than 1200 sheets, all or nearly all correctly named. This represents a fairly complete collection of plants in the Kilauea-Mauna Loa Section, except the recent and soon forthcoming additions to this section of the Park. In addition to the above mentioned, there are several hundred sheets of Haleakala plants and hundred or more of plants from outside the Park.

The check list and the paper on exotic plants are outgrowths of the intensive plants collecting done the past year or more.

All other projects on which the Park Naturalist has been working or recently or in the past will have to be indefinitely suspended. Some of these projects are: Ecological survey and vegetation mapping, grazing studies, and the museum exhibit plans.

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MONTHLY STATISTICAL REPORT OF INTERPRETIVE CONTACTS
IN SCENIC OR SCIENTIFIC AREAS

~~Hawaii National Park~~
Name of Area

Number of Persons Engaged in Interpretive Activities
 Technical Administrative Other
 Permanent
 Temporary

~~September~~
Month
1945
Year

CONDUCTED TRIPS		No.	Attend.	Duration*	V.P.H.**
Auto Caravans					
Hiking Trips					
Ruins					
*List other types					
Total				XXXX	
LECTURES					
Campfire					
Hotel or Lodge		2	180	one hour	240
Museum					
Outside of Park					
Special** Kilauea Military Camp		1	400	One hour	400
**Includes all other types					
Total		3	580	XXXX	640
ATTENDED INTERPRETIVE STATIONS & MUSEUMS					
Name of Station					
Haliho Palace, Kona			250	1/4 hour	62
List by name and type			250	XXXX	62
UNATTENDED INTERPRETIVE STATIONS					
Name of Station, Nature Trail, etc.					
List by name and type				XXXX	

BROADCASTS	
Station	Subject

Total Contacts 770
 Total V.P.H. 702
 Total Visitors

Name Gunnar G. Fagerlund
 Title

MAIL ATTENTION NATURALIST DIVISION, NATIONAL PARK SERVICE, WASHINGTON, D. C., IN TIME TO ARRIVE ON OR BEFORE THE TENTH OF THE MONTH FOLLOWING THE ONE REPORTED ON.
 * AVERAGE DURATION OF ACTIVITY.
 ** THIS COLUMN REPRESENTS VISITOR PARTICIPATION HOURS. THE FIGURE IS OBTAINED BY MULTIPLYING THE VISITOR ATTENDANCE BY THE AVERAGE DURATION OF THE CONTACT; I.E., THE AVERAGE TIME DEVOTED TO THE TRIP, LECTURE, MUSEUM VISIT, OR USE OF INTERPRETIVE STATIONS.

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

August, 1943

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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September 24, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of August, 1943.

Introduction.

Since the assignment by the army of a range officer to the Kilauea Military Camp to work with this office in controlling activities of army units using the park for maneuvers there has been considerable lessening of damage to the terrain outside of the area used by the army for training. Damage already done is heavy and ugly scars will remain until obliterated, but activities in the forest fringe south of Keamokakoi crater have been halted and access roads made by the army are being closed. The army has also halted the use of the flats west of the Kilauea Military Camp for vehicle testing purposes.

Damage to the Mamalahoa Highway, the Crater Rim Road, and the Chain of Craters Road is increasing rapidly. Vehicles up to 32 tons travel these roads and it is now almost a daily occurrence for the fill over fissures or lava tubes to give way leaving holes of varying depths up to 20 feet and from 2 to 8 feet in diameter. In addition the road surface is developing chuck holes and the edges ravelling faster than the small maintenance force with ranger help can repair the breaks.

The small staff here was further depleted by the loss of 5 laborers due to insufficient funds and was additionally handicapped by the indefinite loss of the Assistant-Clerk Telephone Operator who was severely injured in an automobile accident. She and her younger sister were returning home from a party at the Kilauea Military Camp in an army jeep, driven by an officer in disregard of army orders. The jeep travelling at a speed considerably in excess of the black-out limit ran into the rear of a stalled army bus. The two girls, the driver and two other officers were all severely and painfully injured. The Assistant Clerk-Telephone Operator, Miss Milne, is making a fair recovery but is not expected to return to work until sometime in October.

General Weather Conditions.

The maximum temperature at Kilauea was 76° and the minimum 52°. Rainfall totalled 5.75". There was light fog at Kilauea on three days. The monthly report for the Haleakala Section has apparently gone astray and no data are available for that area.

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Superintendent's Special Activities.

With the exception of a trip through Kau and South Kona on the 1st to look over possible recreation sites for the navy the superintendent was at park headquarters throughout the month. Routine inspections of roads were made and one meeting of the Hawaii Vocational Guidance Committee, sponsored by the Y.M.C.A. was attended in Hilo. Meetings of the Selective Service Board at Olaa were attended.

The superintendent was appointed a member of the eleven man rationing board for East Hawaii by the Territorial Director, Office of Price Administration and was elected a member of the Hawaii Island, Executive Committee, National War Fund.

Lectures, Guide Service, etc.

The Naturalist gave 5 lectures in the park to a total of 305 people and 4 outside the park to a total of 110 persons. The Assistant to the Superintendent gave one talk outside the park on the Hawaiian birds to a group of 25 at the Y.M.C.A. Camp.

Arrangements were made at Haleakala by the USO for the Ranger-in-Charge to show the color film of the 1942 Mauna Loa eruption at each of the army posts on the island of Maui.

Research and Observation.

The Volcanologist reports that "August makes the 5th consecutive month in which the seismicity has been unusually low. Of the 21 seismic disturbances recorded but two were strong enough to be classed as very feeble earthquakes. The rest were mere tremors. The shake which occurred at 1:40 P.M. August 7 was felt by a few people near the park and in Hilo." Several rock slides from the walls of Halemauuanu were noticed during the first half of the month. The Chain of Craters road cracks showed slight opening but there was very little movement around Halemauuanu. Material for the April-June issue of the Volcano Letter was prepared and sent to the publisher.

The park naturalist concentrated on herbarium work in order to bring the collection to as nearly complete a state as possible before he leaves the park at the end of September. He has two papers in the course of preparation resulting from the ecology survey work during the past year. One will deal with the ferns and vascular plants and the other with exotics.

Four bird counts were made during the month by the Assistant to the Superintendent who also completed an article on birdlife in the park for the Audobon Magazine and prepared for the park collection the skeleton of an Hawaiian owl found near the headquarters building.

Forest Protection.

Four pigs and 16 goats were destroyed at Kilauea. The Naturalist and Assistant to the Superintendent made three trips into the forested section of the

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land of Kcalakomo that the Territorial legislature directed be acquired for the park as a part of the authorized Kalapana addition. Upwards of 30 species of trees were observed, several of them being quite rare.

On a patrol to the beach the coconut trees at Halspe were all found to be bearing fruit. Young trees planted a few years ago are being retarded by a dense growth of morning glory that will have to be cleared away.

Fire Protection.

An unreported fire that burned about one acre of grass and destroyed 20 corral fence posts at Hilina Pali occurred on August 25. It was caused by the carelessness of soldiers who had failed to clear the grass from around their oil cooking range. Sparks ignited this grass. The fire was put out by the soldiers stationed there and the army later agreed to repair the fence.

Fire tool storage facilities in the fire equipment shed were improved by addition of new storage racks and adoption of a better method of stacking the tools.

The quarterly fire inspection of all buildings was made.

Private Lands.

As a result of conferences had in Honolulu in June with the Governor and later correspondence the Commissioner of Public Lands appointed a special board of appraisers to reappraise the private lands in the Kalapana addition. We have been assured that the present Territorial Administration will push the matter of acquiring these lands.

Cooperating Government Agencies.

The Kilauea Military Camp was restored during the month to its former status as a rest and recreation camp for members of the armed forces.

A travel freeze order designed to prevent migration of labor from this island was issued by the local Director, War Manpower Commission on August 8.

There has been keen interest locally in the now famous "Habeas Corpus" case arising in Federal Judge Dalbert Metzger's court in Honolulu. A Honolulu attorney filed a brief in support of his petition for two internees, American Citizens of German parentage, for writs of habeas corpus. The right to petition for a writ of habeas corpus had been denied by order of the Military Governor since December 7, 1941, when martial law was declared. Judge Metzger sustained the petition and ordered the army to produce the internees. This was refused and the Commanding General was later cited for contempt of court and fined \$5,000. by Judge Metzger. The General then retaliated by issuing a drastic order at length and in detail forbidding the issuance of habeas corpus writs in Hawaii and specifically restraining Judge Metzger from further action in the pending cases. Any violation of this order was made punishable by a \$5,000. fine or five years imprisonment.

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This order also covered interference with the military activities of the military personnel in Hawaii. This section of the order reads in part "No judge -- nor other public employee -- shall for any cause, whether or not such cause is deemed lawful by such judge -- or public employee, -- in any manner, way or form impede, oppose, or interfere with the Commanding General -- or with any other member of the armed forces -- in his performance of his military functions -- duties, or -- orders, heretofore or hereafter issued by the Military Governor -- regardless of whether or not such order or orders are published in the newspapers of the Territory". The order authorized municipal police to arrest army personnel for traffic offenses triable in the Provost Court. This section of the order appears to place the civilian population at the mercy of the armed forces since it may not interfere in any way with any military order of any member of the armed forces. It is not believed there will be any more difficulties with the army under this order than previously, but the order makes possible unlimited excesses.

Travel.

There were 43,911 civilian visitors to the Kilanea Section and 24,754 military compared with 10,500 and 26,080 for the same month last year. At Haleakala these figures were respectively 375 and 1,075 and none and 350 approximately.

Travel counts were made on the 10th and 14th.

Visitors.

Commander Gene Tunney, U.S.N., former world's heavyweight champion, was an overnight guest at the Volcano House. He was given special attention.

Miscellaneous.

For some unknown reason a person or persons have been leaving small coins in the Maheopuhi information shrine case. These have been collected but others have since been deposited in the same place. A press release on this will be issued so that the persons may know what has been done with the money left.

Word was received from Lt. David Canfield, U.S.N., superintendent of Rocky Mountain National Park, that he is now for a time stationed near Honolulu. He was urged to try to visit both Haleakala and Kilanea and personnel going to Honolulu have been asked to look him up.

Honolulu has been trampled with an epidemic of dengue fever necessitating restricting the Waikiki area. So far the fever has not escaped to the outside islands.

The Community Vocational Guidance Committee, sponsored by the U.M.C.A. at its meeting on August 11 voted to undertake an island wide job survey and analysis.

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When completed the information will be furnished the schools and one or more advisors in each community for their use in youth guidance.

Edward G. Wingate
Edward G. Wingate,
Superintendent.

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

September 10, 1943

MEMORANDUM for the Superintendent.

There follows the monthly report on activities of the Ranger Division for August 1943.

General

During August activities were varied, and the rangers were busy on patrol, maintenance, and development work. The Assistant to Superintendent did protection, administrative and interpretive work. He completed an article on birdlife in Hawaii National Park for the Audubon Magazine written at the request of the Editor. This magazine is the publication of the National Audubon Society.

Police Protection

Road patrols and night patrols were continued.

An investigation of a broken window at the old Volcano House dining room was made, and the responsible party was brought before Mr. Lycurgus.

An accumulation of about one-hundred coins in the Makaopuhi shrine was reported to the park naturalist, who removed them. Since then more coins have appeared there.

Fire Protection

The quarterly fire inspection report was submitted.

A good job of improving fire tool storage facilities in the fire shed was accomplished by Rangers Medeiros and Kauhi. The existing racks were extended to provide additional compartments for tools purchased during the past two years, and improvements in the manner of stacking the tools were made.

Major Daniels was requested to caution his troops against throwing lighted cigarettes out of trucks along the roads.

Sanitation

The Volcano House bar dish washing procedure was found unsatisfactory and reported to the Superintendent.

Forest Protection

The army agreed to confine their tank and anti-tank vehicle maneuvers to a limited area south and west of Keanakakoi Crater. They also agreed to discontinue using the flats west of the military camp for testing vehicles.

Ranger Medeiros and Warden Hauanio made a two-night patrol to Halape via Puu o Hale and Kipuka Wene and returned via Papalinamoku Pali and Kahalii. One day was spent installing a water box at Halape.

Several foot patrols were made along park trails and one to check the fenced koa plots at Qhaikoa.

The Assistant to Superintendent hiked into the forests of Panaunui and Kealakomo with Messrs. Horner and Blacow, on August 5 and 6. They found approximately thirty kinds of native trees in the area, many of them rare. A second visit was made later in the month.

In August, four pigs and sixteen goats were destroyed.

Roads and Trails

Heavy use of park roads by thirty-two-ton vehicles shook a number of holes in the park roads. Rangers participated in filling these. Some road signs were repaired.

The following foot trails were closed to horse travel by setting in post barriers:

Halemaunau trail
Kilauea iki trail
Sandalwood trail
Steaming bluff trail
Kilauea iki rim trail
Byron Ledge trail

The barriers proved effective. One request was received to re-open the Byron Ledge trail. Signs labelling these as foot trails are being painted.

A trail map showing foot and bridle trails was prepared and loaned to the military camp to hang in the officers' club room.

The lava tube short cut trail was closed, owing to rotting of the bridge. The steaming bluff's trail was brushed out and holes filled.

Bird Research

A skeleton of a Hawaiian owl found dead at the headquarters building Aug. 12, was prepared for the park collection. Four bird counts were made.

Miscellaneous

The Assistant to Superintendent gave a bird talk to 25 persons Aug. 26 at Hale o Aloha.

Eight-hour travel counts were made at the Hilo Entrance Aug 10 & 14.

Paul H. Baldwin
Paul H. Baldwin,
Assistant to Superintendent

*P.S.
Telephone installed at Amahon Ranch.*

P.A. Baldwin

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

MEMORANDUM FOR THE SUPERINTENDENT

Through the Asst-Superintendent

SUBJECT: A Report for the Month of August, 1943.

One patrol and inspection tour was made, accompanied by Park Warden Hauanio Jr., covering the areas of Uwekahuna, Puu-O-Hale, Nene, Papalinamoku, Kapukapu, Halape, Kahalii, and the Chain-of-Craters trails, from Makaopuhi, passing the Lava Tube section.

During this tour, about thirty goats were observed around the Halape section, about ninety to a hundred goats around the Kahalii section, on the Polikiawe Pali. One of the three fig trees at Kahalii and Polikiawe Pali had been found dead. The coconut grove at Halape, showing great progress, with most of its trees bearing fruit. The younger trees which are from three to five feet in height, were to be found covered with morning glories. These are not making much progress, due to the vines choking these trees. The area around the Halape shore line is well advanced with morning glories. Suggest that some extra time be spent to clear these choked trees for better growing.

The pali trail above Kapukapu is in bad shape. This trail is blocked by loose rocks and slides, which is almost unpassable for animals. Recommend that this be cleared as soon as possible. Both jobs, the clearing of the coconut trees at Halape and the clearing of this trail, requires two days, not including traveling days of which another two days will be required, and the labor of three men.

Considerable time was spent installing a telephone line at Ainahau section, also installation of posts to block foot trails where horses are not permitted. Two days on traffic count was performed. The bridge on the trail which marks, short cut to Lava Tube, observed to be very dangerous and was blocked until time is available for repairs. Two signs were installed. Some repairs were also done on the Lava Tube Bridge.

Spent some time reinforcing signs along park roads. Also some time was spent shoeing some park horses, and repairing holes in roads.

Shaped and painted some boards for sign work. Considerable time was spent in the fire wagon shed building shelves for fire fighting

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NATIONAL PARK SERVICE
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HAWAII

(2)

tools. Did some telephone line repairing on line#11 along the Pa-wahi section.

Spent some time on night work patrolling and blackout checkup.

Four pigs and three goats were destroyed. During some of my patrols along the Kilaueaiki trails, considerable damage was observed on trails and plants, done by pigs. Along the trail on the west side of Kilaueaiki, a boar, which weighed about 350 pounds, was destroyed. Prior to this, a sow of about 150 pounds was also destroyed, in about the same location.

A. B. Medeiros
A. B. Medeiros
Ranger

22

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

September 10, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the month of August, 1943.

August 1st to 3rd - stood by office duty. On the 4th - took Ranger Medeiros and Jr. Park Warden to horse corral,. Repaired telephone pole back of dormitory building. The rest of the day was spent on fence line around koa plots in the Ohikea section.

August 5th - took Ranger Baldwin and two others to end of chain of craters road. The rest of the day was spent hauling posts.

On the 6th - continued on posts work. At 3:00 p.m. I made a trip to the Ainahou ranch, where I picked Ranger Baldwin and two others up.

August 7th - Day off.

On the 8th - I attended the Hawaii Rifles drill. The other half of the day I stood by office duty.

During the morning period of the 9th - I took the gas readings. The rest of the day I worked on posts.

August 10th - I did traffic count work. After my lunch hour I continued on posts work.

The 11th & 12th worked on posts. On the 13th install several posts on the Kilauea Iki trail. After lunch worked in the paint shop.

8/14 - traffic count work .

8/15 - Day off.

August 16th - install more posts on foot trails, Sandalwood and the Steaming bluff trail.

On the 17 and 18th - continued on trail blockage on foot trails.

On the 19th - Checked on the Lava tube bridge. Also observed a hole in the road, before the Kilauea Iki lookout. At about 11:30 a.m. I received a phone call from the chief clerk to report at the Olaa hospital for a blood transfusion.

August 20th - did some clearing on the teaming bluff trail. Also trimmed around the tops of the pests.

August 21st - worked in fire shed.

August 22nd - Day off.

August 23rd - Park detail and took the gas readings.

" 24th - Repaired one telephone pole near the Kilauea Iki trail and one at the Alealea area.

August 25th & 26th - worked on shelves in fire shed.

" 27th - worked half day on shelves. The other half went on goat control work.

August 28th - Day off.

" 29th - spent half day with the Hawaii Rifles drill. The rest of the day I stood by office duty.

August 30-31st Worked on telephone line in the Ainahou section.

Thompson K. Kauhi
Thompson K. Kauhi
Ranger

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HAWAII

Recd
10/2/43
843

Wailuku Maui
Sept. 11, 1943

Memorandum to Superintendent Edward G. Wingate through office of the Assistant to the Superintendent Paul H. Baldwin:

The following narrative report for the month of August 1943 is respectfully submitted;

000 General 010 Introduction

Brig. General Donald J. Myers made a trip through the crater with former Ranger in Charge Capt. Powers. The party went down Sliding Sands trail and stayed over night at Paliku cabin continuing on to Kaupo Village the next day. Included on the trip were several Army Engineers with "walkie-talkie" radios who were conducting an experiment to see if the radios would keep them in contact with headquarters while on the trip. From all information that can be gathered if it hadn't been for our telephone at Kapalaoa cabin the party would have been out of contact with anyone on most of the trip.

020 General weather conditions In the park

Max. temp.	73 degrees on the 15th
Min. temp.	40 degrees on the 16th
Rainfall total	2.97 inches on 5 different days
Clear days	16
Partly cloudy days	12
Cloudy days	3



100 Administration 140 Labor situation

Ranger Robert L. Plunkett left the park on the 28th of the month due to lack of funds, and is at present working at the Kahului Air base as a laborer.

300 Activities of other agencies in the park 310 Public service contractors

The Maui Grand Hotel that had all the concessions in this section has changed hands and the new managers are making plans to rent horses and mules for crater trips and to sell refreshments at the summit.

400 Flora, fauna and natural phenomena 410 Ranger guide service

Two trips were made in the crater this month with military men on foot.

600 Protection 640 Destruction on predatory animals

Forty three goats were killed in the crater this month

Frank A. Hjort
Frank A. Hjort
Ranger in Charge.

Sept 8 1943

MEMORANDUM for the Superintendent

Report of the Hawaiian Volcano Observatory for August.

August makes the 5th consecutive month in which the seismicity has been unusually low. Of the 21 seismic disturbances recorded but two were strong enough to be classed as very feeble earthquakes. The rest were mere tremors. The shake which occurred at 13:40 on Aug. 7 was felt by a few people near Hawaii National Park and in Hilo.

Several landslides from the walls of Halemauau were noticed during the first half of the month.

There was but very little movement in the cracks around Halemauau with about as many showing closing movement as opening. At the Devil's Throat and along the Chain of Craters Road a majority of the cracks opened slightly.

The westerly tilt which commenced about the middle of July continued until Aug 25. After this date there was a slight easterly tilt, or in the direction normal for this season of the year. Tilt in the North-South direction was normal; that is slight to the north.

The following table shows some of the data obtained during the month:

Week Ended	Tilt	Seismic disturbances	Seismicity
Aug 1	Slight WNW	5	1.25
8	Very " NNW	7	2.50
15	" " NNW	3	1.00
22	Slight W	5	1.25
29	" " NNE	5	1.25

Work of R H Finch

All the duties of the routine care of the seismographs was assumed on Aug. 1. Some time was spent on the seismogram processing arrangements. Most of my time was spent in the duties incident to all phases of seismographic work. The Volcano Letter for April-June 1943 containing articles on Lava Rivers and their Channels and on the Viscosity of Mauna Loa Lava Flows, was completed and sent to the publisher.

R.H. Finch
R H Finch
Volcanologist

10-23
(May 1920)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

July 1943

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.

RECEIVED AS FOLLOWS

August 20, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of July, 1943.

Introduction

The month was quiet and was notable only because of an epidemic of colds and coughs that hit the staff causing several members to lose greater or lesser amounts of time from work. This added to the burden of work for the others and we are farther behind than ever.

Though the promised reduction in use of the park by the army for maneuvers etc., has taken place, much damage to the forests and terrain is still being done, and not a little of it in violation of local army orders. Other damage results from the thoughtlessness and carelessness of individuals and small units and full scale maneuvers always leave their scars. A conference was had with General Gibson on this matter who had an investigation made with the result a range officer was stationed at the Kilauea Military Camp to serve as a coordinator. The General made several points, in confidence, in rebuttal to our argument that other areas could be used instead of the park and in view of this we were not in a position to do other than accept his decision in the matter though again urging as early a withdrawal from the park as possible.

General Weather Conditions.

Maximum and minimum temperatures at Kilauea headquarters were 76^o and 51^o and at the Haleakala Ranger Station these recordings were 70^o and 41^o. Rainfall at Kilauea totalled 10.34 inches and at the Haleakala summit the total was 0.85.

Superintendent's Special activities

The superintendent was absent from duty most of the time from the 9th to the 27th while both in and out of the hospital with a heavy chest cold that would not respond to treatment for some time. He conferred with General Gibson early in the month on damage to the park by army use and on the 30th an inspection of Bird Park was made and on July 31st, the Hike Road was inspected. He attended a conference of Selective Service Boards in Kona on the 17th and 18th.

Lectures, Guide Service, etc.

One hiking trip totalling 65 persons was conducted by the Park Naturalist. The Park Naturalist gave one illustrated lecture in the park to a total of 90

RECEIVED AS FOLLOWS

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persons, and 6 lectures outside the Park to a total of 400 persons. The Asst. to the Superintendent gave 2 lectures outside the Park to a total of 60 persons.

At Haleakala, Ranger-in-Charge Frank Hjort, showed the Kodachrome movies of the 1942 eruption to a total of 4,950 people, during June and July. Two trips were conducted through the crater on foot for the armed forces and three trips were made also with military personnel, with the night being spent in one of the rest houses.

Research & Observation

The Volcanologist reports a total of 28 local seismic disturbances were recorded at Kilauea and 31 at Mauna Loa of which only two were classed as earthquakes. In this respect the month was the quietest since the establishment of the Volcano Observatory.

Crack movements around Halemauau were irregular though there were more openings than closings. The majority of the cracks along the Chain of Craters Road and at Devils Throat closed slightly.

An article for the Audubon Magazine on birds of Hawaii National Park was started by the Asst. to the Superintendent. Park Naturalist Fagerlund made photographic copies of bird paintings by Mrs. Baldwin to be submitted as illustrations for the article.

Forest Protection

A number of patrols were made during the month.

Four pigs and three goats were destroyed during the month at Kilauea, and at Haleakala a total of 66 goats were killed. Drought on the south side of Haleakala is driving the goats into the crater.

Travel

At Kilauea civilian visitors were estimated to total 16,609 and military visitors 25,454 compared with 10,500 and 28,080 for July 1942.

At Haleakala visitors were estimated to total 1,550 for the month of July including 1,070 in the armed forces. For the same month last year there were no civilian visitors and about 350 military visitors.

Accidents

One accident occurred within the park when T. Goya, apparently under the influence of alcohol drove his car off the road and into a tree on July 29. Mr. Goya was badly injured suffering the loss of one eye.

At Haleakala, two boys stationed at the Puu Nianiau Army camp had the misfortune of having a blowout on a rear tire while coming down the mountain right

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at the 8,000 ft. turn. The car an Army carry-all, overturned and rolled on over several times before coming to a halt. One man was injured in the back and the other was not injured.

Cooperating Government Agencies

Permanent adoption of the new controlled lighting plan relaxing the black-out until 10:00 p.m. for Hawaii island homes, as well as its extension to the business community on a test basis, was announced officially on Tuesday, July 20, by the Office of the Representative of the Military Governor. It was later continued indefinitely.

The County Engineer has completed a survey of war use damage to roads maintained by the county. In his report this damage now totals \$1,012,297. He estimates the damage to the Hilo-Volcano road from Hilo to Mountain View at \$274,500. Comparable damage is being done to certain sections of park roads not designed for the heavy traffic they are now subjected to. Adequate maintenance is impossible with the present funds and lack of personnel.

On July 29 the War Manpower Commission designated Hawaii as an acute Labor Shortage Area.

Miscellaneous

On Thursday, July 8, Mr. William H. Shipman, father of Herbert Shipman, a fine friend of the park, passed away closing a life that had spanned 88 historic years. "Mr. Shipman was all his life a man of vigor and action. His chosen field, ranching, brought him in close touch with the little known back country of the Big Island. Mr. Shipman was a part of Hawaii that has gone in the inexorable transitions of time. He was a link with a past day, one of the few remaining among us able to recall the glory of the Courts of Kauhaneha and the graciousness of a past era." (Hilo Tribune Herald, July 9.)

Re-building the Hawaii police department under the leadership of Police Chief George F. Larsen Jr., has already begun. Chief Larsen in his first interview since assuming his new post, said what most critics of the previous regime had contended all along; that the department was top-heavy and that better results might be achieved with more soldiers and less generals.

Dr. T. A. Jagger, retired volcanologist of the park made the principal address during the July 4th ceremonies in Hilo.

Edward G. Wingate
Edward G. Wingate,
Superintendent

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

August 10, 1943

MEMORANDUM for the Superintendent

There follows the monthly report on activities of the Ranger Division for July 1943.

Ranger service

July was a busy month for all rangers, though a number of man-days were lost, owing to a wave of colds that caught most of us. The Assistant to Superintendent in the absence of the Superintendent made a number of contacts with the Kilauea Military Camp officers to acquaint them with park rules and policy. Arrangements were made with the Range Officer for all maneuvering to be confined to a section of the park just northeast of the present impact area. The funeral of Mr. Shipman and the military wedding of Lt. Lenke, U.S.C.G., were attended. Judge Frear's book in manuscript on Mark Twain in Hawaii was reviewed.

Police protection

Patrolling activities during the month included several patrols along the Mamalahoa highway, check of vacant houses in the park, and night patrols in the residential and headquarters area. In the 29-mile area patrolling by air raid wardens to check on observance of the new dim-out lighting regulations was supervised.

Infractions of rules and regulations occurred. A driver from the Kilauea Military Camp was reported to Major Daniels for discipline on July 31 and was given "restrictions." The Volcano House horses were found out of the pasture on July 29 at 8:00 a.m. Blackout violaters (Volcano House & Mr. Hamilton) were notified to correct their blackout practices. Soldiers were known to be hanging around empty government cottages, but no additional damage was observed.

*for driving
50 m.p.h.*

One accident occurred within the park when T. Goya, apparently under the influence of alcohol, drove his car off the road and into a tree on July 29. Mr. Goya was injured with the destruction of one eye.

Chief of Police Larsen was contacted, and arrangements were made

for renewing special police commissions held by protection personnel in the park.

Fire protection

A small brush fire occurred on July 9 on the Steaming Flats. It was extinguished after burning over a few hundredths of an acre. It started in dry weather apparently from burning tobacco along the Mamalahoa highway.

The quarterly fire inspection for July was made. Tools from fire caches #3 and 4 were brought in to prevent theft. A tool box was constructed for car 798 to hold fire fighting and other emergency tools. On the fire truck the 350 gallon tank was cleaned, the outlet valve was cleaned, and a box was installed to hold rubber gloves and gas masks.

The annual fire protection equipment report was prepared, and our fire equipment records were cleared of missing and unserviceable articles by board of survey action.

A review fire instruction class was held for park employees on July 16, and a fire drill at the dormitory was held at 7:20 p.m. on July 27.

Forest protection

^{2♂, 2♀} Four pigs and ^{2♀, 1♂} three goats were destroyed during July. ✓

Trails

Clearing and maintenance work was done on the Kilauea Iki, lava tube, and Kokoolau trails. The bridge on the fern jungle trail was reported down.

Certain trails in and near Kilauea Crater were designated foot trails, and work was started to eliminate use of them by horse back parties. A map showing foot and bridle trails is being prepared to loan to the Kilauea Military Camp.

Telephone

The abandoned temporary single wire line to the Panau O.P. was removed for salvage. The phone at Quarters #15 was repaired. A phone was installed on the warehouse porch.

Research & interpretation

Work was started to reopen the twin craters bird census plot. ✓
Bird talks were given at Hale O Aloha on July 9, 12, and 14.
An article for the Audubon Magazine on birds of Hawaii National Park was started. Mr. Fegerlund made photographic copies of bird paintings by Mrs. Baldwin to be submitted as illustrations for the article.

Travel

Travel counts were taken July 10 and July 15.

Paul H. Baldwin
Paul H. Baldwin,
Asst. to Superintendent

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

August 4, 1943

MEMORANDUM for the Superintendent
(Through the Asst. to Superintendent)

Subject: Report for the Month of July, 1943.

A few patrols were made in July, covering the areas along the Hilina pali road to Nene, around the sections back of the old Volcano house, through the fern jungle trail, the areas along the old Ainahow road from the lava tube to Puhuluhu, around the utility area, the Uwekahuna section, the Makaniopaio section, the bird park area and horse corral, the Halemaumau, Byron ledge, and Kilauea iki trails.

Considerable time was spent on trail inspection and clearing. The Kilauea iki trail was cleared and repaired. The trail leading from the lava tube to the Hilo entrance section was repaired, and also a section off the trail near the Kokoolau crater. The Makaopuhi trail was also repaired.

Some time was spent shoeing some of the park horses. The telephone in Fagerlund's home was checked on and repaired. I also installed a phone in the park warehouse and repaired a window at cottage #8.

The fire caches at Makaopuhi and Nene were checked upon. During this tour, tools from both caches were brought in and stored in the park fire shed. A tool box was built to store some fire fighting tools which are to be placed in car #798.

On the lava tube trail and the Kokoolau trail, fallen trees were observed on my patrol, and later were cleared.

The telephone line which was layed out previously along the Kalapana trail, was taken down. Half, or more of this line was found missing. It was probably used by the army.

For this month, a few office duties were performed and for six days, I was confined at my residence at 16 Puuhina St., Hilo, on sick leave. From July 19 to July 24, I was on patrol duty. The following was observed while on this patrol: The water tank at the former

Gardner cottage is in very poor condition, with badly decayed posts. The bridge on the short cut to the lava tube trail is in poor shape. I reported this at one of the meetings, and suggest that it be repaired as soon as possible before any casualties occur. The water tank in the back of the Hui O Pele shelter was found very dirty.

I took part in the quarterly fire and sanitation inspection, and checked on all fire equipment, buildings around the utility area, and the Volcano House.

A. B. Medeiros

A. B. Medeiros,
Ranger

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

August 4, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of July, 1943.

During the month, I repaired and cleared the Kilauea iki trail and worked on the bridle path trail along the lava tube area.

Several days were spent on the Kalapana trail taking down the telephone line leading to the Panau O.P. Station.

On the 7th, an inspection was made on a grass fire which started below the sulphur banks on the steaming bluffs flat.

From the 17th to the 20th, an inspection was made on all park residences to check on all types of extinguishers. The following checks were made:

Quarters #1 was found half full and later refilled.

Quarters #2,3,4,5,6,7,8,& 9; were in good condition.

Quarters #13,15,16,17,18,19,20,21,22,23,24,25, and Quarters 27 (1) and quarters 27 (2) were in good condition.

The extinguishers in the warehouse, pumphouse, garages, and fire shed were tested and recharged. All were in good working condition.

Extinguishers in the Headquarters building, Observatory building and the University building were also tested and recharged. One extinguisher in the university building was unable to work but was tested and recharged.

Extinguishers at the Volcano House were checked and found in good condition, having been tested and recharged on May 3, 1943.

Old Volcano House

The old Volcano House was inspected, and I found that this building is in need of fire fighting equipment as there is none at present. I would suggest that this building be equipped with fire extinguishers. The number needed is as follows: One to be installed at the entrance to hallway, one between the entrance to the kitchen

and parlor door, and the last one at the entrance from outside to the kitchen and dining room door. During the time of inspection, the dining room was found in a disorderly conditions, with papers, match sticks etc., found on the floor. I suggest that this place be attended to immediately, and cleaned out to prevent the guests from having eye sore.

Cottages

Cottages S. & L. were found without fire fighting equipment, and I suggest that they be equipped with one 2½ gal. type extinguisher each.

Pump house

The Volcano House pump house is still without a hand pump type extinguisher as was reported in April.

Cottages A&B

Cottages A&B were inspected, extinguishers tested, and found in good condition.

Dormitory building

The dormitory building was inspected and it was found that two 2½ gal. foamite extinguishers were missing from there places. One at the entrance to the hallway, and one from entrance to basement.

The building downstairs, needs cleaning, as there is a considerable amount of rubbish, bottles, etc., which should be removed.

During the month, gas readings were taken, blacking out the Headquarters building and flag duty was performed.

Thompson Hauhi
Thompson Hauhi,
Ranger

UNITED STATES
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Received
8/2/43
GAB

Wailuku Maui
August 3, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Assistant to the Superintendent Paul H. Baldwin:

The following narrative report for the month of July, 1943 is respectfully submitted;

000 General 010 Introduction

General Richard E. Mittelstaedt was replaced this month as military governor of Maui by Brig. General Donald J. Myers. General Mittelstaedt has been assigned to a new post.

020 General weather conditions 021 In the park

Max. temp.	70 degrees on the 27th, 28, and 29th
Min. Temp.	41 degrees on the 19th
Rainfall total	3.82 inches on 8 different days
Clear days	14
Partly cloudy days	10
Cloudy days	7

At the summit the rainfall total was 0.85 inches. ✓

300 Activities of other agencies in the park 330 Cooperating non-government agencies

Permission was granted verbally by Haleakala Ranch to construct a fence sometime in the future to keep all cattle out of the park. A statement in writing will be issued as soon and the board of directors of the ranch can be contacted by the ranch manager and the plans discussed.

It has been my desire for some time to bring this business to a head but it could not be hurried. Both Richard Baldwin, present ranch manager, and myself have wanted to bring this about. He has because the park area is a hazardous place to round up the few cattle that can graze there and I have because I feel that the pilo and mamani as well as the sandalwood and many other plants will have a chance to grow unmolested and to reproduce in a normal manner.

400 Flora, fauna and natural phenomena 410 Ranger guide service

Two trips were conducted through the crater on foot for the armed forces this month. Three trips were made also with military personnel with the night being spent in one of the rest houses.

490 Miscellaneous

A rapid check shows that the silversword blooming is quite scattered and on a fairly large scale

500 Use of the park by the public 510 Increase or decrease in travel

Travel was up slightly this month with military figures down a little but with civilian travel up enough to compensate and make an increase.

No explanation can be offered for the increase in civilian visitors but the military figures were undoubtedly affected by the moving out of a large number of soldiers and the bringing in of a new group. The new men on arrival do not get the chance to come up the mountain until they have been here for a month or so.

600 Protection 630 Accidents

Two boys stationed at the PuuNianiau Army camp had the misfortune of having a blowout on a rear tire while coming down the mountain right at the 8000 ft. turn. The car, and Army carry-all, overturned and rolled on over several times before coming to a halt. One man was injured in the back and the other was not injured. The accident happened in a cut so the machine could not go over the bank. An Army wrecker was soon on the scene to remove the wreckage and no damage was done to the road or landscape.

The Army men covering the accident are going to give me a complete copy of their report on the accident which I will forward to your office as soon as I receive it. No park service men were present at the accident.

640 Destruction of predatory animals

66 goats were killed this month.

The goats are again raiding the park area from over the south rim. As stated here before this must be caused by the drying out of the vegetation on the outside of the south rim and causing the goats to seek the more green shrubs on the inside of the crater. The slopes to the south of the crater rim are now very parched.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

August 4, 1943

MEMORANDUM for the Superintendent

Report of the Hawaiian Volcano Observatory for July.

July marks the fourth month of unusually low seismicity. As far as earthquakes are concerned, this is the quietest spell since the establishment of the Observatory in 1913. Of the 28 seismic disturbances recorded at Kilauea, 2 are classed as earthquakes and the rest as tremors. The two earthquakes originated on the northeast slope of Mauna Loa. The shake at 02:51 July 1, was felt locally and at Hilo. 31 seismic disturbances were recorded at Mauna Loa.

Following a heavy rain during the afternoon of July 8, steam clouds were very conspicuous over the 1942 flow.

The beginning of a small landslide from the northeast wall of Halemaumau was observed at 3:48 p.m. July 7.

Crack movements around Halemaumau were irregular though there were more openings than closings. The majority of the cracks along the Chain of Craters Road and at Devils Throat closed slightly.

Tilt for the month as a whole was slight to the northwest. Northerly tilt coupled with westerly tilt at this time of the year and the paucity of earthquakes indicate a sustained and fairly high pressure under Kilauea volcano.

The following table shows some of the data obtained during the month.

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
July 4	Slight W	11	5.00
11	Moderate N	9	2.25
18	" NNE	2	0.50
25	Slight SW	3	0.75

Work of R. H. Finch

Considerable time was spent in collecting data on viscosity

and evidence to show that Mauna Loa lava rivers are really made up of two streams - an upper low viscosity one superposed on a high viscosity layer. During the absence of Peter Malo for several days in the latter part of the month I handled the daily routine of the seismographs including the one on Mauna Loa. The routine measuring of seismograms was kept current.

Work of Peter Malo.

He was on leave $4\frac{1}{2}$ days during the latter part of the month. Seismological routine occupied the larger part of each day. Some time was spent on installations to improve the chronograph of the Bosch-Omeri seismograph. His services with the Park terminated on July 31.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1920)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

June, 1943

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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August 2, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of June, 1943.

Introduction

The only event of significance during the month was the receipt from your office of the information that only \$39,527 would be available in the regular appropriation for expenditure in 1944.

Due to payment of the 25% salary differential in Hawaii and increases in salaries in the Custodial division, and routine promotions there will be a deficiency of \$13,258. This will necessitate a still further reduction of personnel from a staff that had already been reduced to a point, it was extremely difficult to keep abreast of even minimum maintenance and provide for some fire and police protection. It appears that seven employees including the Asst. Park Naturalist who has been engaged on an important forest ecology survey and who has been handling almost alone all public contact work including numerous talks to army units on this island, will have to be released. If this is done there will remain on duty in both sections of the park but 12 permanent male employees, and one female, to maintain roads that are receiving excessively heavy and damaging use by army vehicles and civilian trucks; trails in use by the public, the army and for fire protection; water and sewer systems; telephone lines; buildings, etc; provide police and fire protection throughout the park; to provide some informational service to the thousands of army, navy and civilian visitors now using the park constantly, and to try to keep the office work somewhere near current.

It will be obviously almost practically impossible to do these things and the action, in view of the piddling economy immediately effected, seems, to put it mildly, senseless and stupid and in the long run extremely wasteful. When the amount of work accomplished since Pearl Harbor, the quality of that work, the extremely long hours of duty for months at a time, the many new and varied duties performed in addition to regular work, the fact that reduction in personnel and expenditures were voluntarily made long before any such action was taken,

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or apparently much thought given in Washington, are all considered the present enforced reduction in funds and personnel is somewhat discouraging to those who will have to go as well as to the few who will remain. Those who remain will carry on, but always with the knowledge that they can never be anywhere near abreast of the work that should be done and with the more depressing knowledge that time, insufficient personnel and funds will prevent anything being done well or thoroughly. They will carry on, though they see the park and its physical property that they have been charged to protect and preserve disintegrating and being stolen, and destroyed while they are physically incapable of preventing it.

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 77° and 52° and at the Haleakala Ranger Station those recordings were 70° and 40°. Rainfall at Kilauea totalled 9.15 inches and at the Haleakala summit the total was 0.61. Snows last visible on Mauna Kea on June the 3rd.

Superintendent's Special Activities

The superintendent was in Honolulu and on the island of Maui from the 5th to the 19th. While in Honolulu he conferred with the Governor on various matters affecting the park and the island of Hawaii; the Commission of Public Lands on land acquisitions in the Kalapana addition and the proposed Mauna Loa addition; the Public Roads Administration on the proposed Kalapana Road and the Hilo approach road; the office of Price Administration; the War Production Board; the Treasury Disbursing office; the Geological Survey; the Civil Service Commission etc; and other Territorial officials. (On Maui a routine inspection was made of the Haleakala section where it was observed that much of the work and installations done by the army had been abandoned.

He was at Kilauea headquarters the remainder of the month, attending a luncheon at the Hilo Yacht Club in honor of Lt. General Robt. C. Richardson Commanding the Hawaiian Department, U. S. A. and staff; a meeting of the community committee on vocational guidance of youth and post-war problems; a meeting of the Executive Board, Kilauea Council B.S.A; and Selective Service Board meetings at Olaa.

Lectures, Guide Service, etc:

The Park Naturalist gave 2 illustrated lectures in the park to a total of 115 persons. The Ass't. to the Superintendent gave 5 lectures outside the park to a total of 224 persons and the Park Naturalist gave 5 lectures outside the park to a total of 440 persons. Two hiking trips totalling 50 persons were conducted by the Park Naturalist.

A trip was made by the Naturalist to Kailua and Kealahou in

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Kona for the purpose of giving illustrated talks to service units stationed there and for setting up an exhibit at Huliho'e Palace Museum.

Research & Observation

The volcanologist reports a total of 22 local seismic disturbances were recorded at Kilauea and 15 at Mauna Loa.

A majority of the cracks near the rim of Halemauau showed slight openings.

The Park Naturalist and laborer assistant spent a few days collecting botanical specimens in the field.

The Ohaika koa plots were inspected by the Asst. to the Superintendent and Dr. Harold St. John, Botanist, at the University of Hawaii.

Forest Protection

A number of patrols were made during the month.

Fifteen goats were destroyed during the month at Kilauea, and at Haleakala a total of seventeen goats were killed.

Travel

At Kilauea civilian visitors were estimated to total 18,433 and military visitors 22,215 compared with 9,000 and 28,080 for June 1942.

At Haleakala visitors were estimated to total 1,340 for the month of June including 1,015 in the armed forces. For the same month last year there were no civilian visitors, and about 350 military visitors.

Accidents

A soldier was killed during army maneuvers when he fell into one of the smaller craters near Kilauea the night of June 6. The park was not notified.

Cooperating Government Agencies

On June 5 the Governor authorized the Local War Manpower Commission to order freezing of workers in certain essential industries in order to prevent pirating and migration of labor that was becoming serious on the outside islands.

Military authorities authorized the installation of dimout street lights in Hilo, June 11, and thus the first break in the total blackout

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enforced since December 7, 1941, has occurred.

On June 11 the Governor announced his appointments to the Island of Hawaii, Police Commission authorized by the last legislature. Of the five men appointed one was Mr. Nicholas Lycurgus, son of George Lycurgus, Proprietor of the Kilauea Volcano House.

Three more cases of poliomyelitis have been reported to the Hilo Board of Health, bringing the total number of cases reported this year to five.

Visitors

Lt. General George Richardson, Major General's Burgin, Hale and Smith, and Brigadier General's Kraser and Holmes were overnight guests at the Volcano House on the 21st. The party were given special attention.

Former Governor and Mrs. Walter F. Frear were visitors at the Volcano House for several days. He conferred with the superintendent on park matters and a book that he has in preparation on Mark Twain in Hawaii. They were given special attention.

Miscellaneous

Lt. Col. V. S. Burton, who was Commanding officer of the Hawaii district from December 7, 1941, to March 15, 1942, has been presented the Legion of Merit award for exceptionally meritorious service during the critical period of confusion, shock, and extreme emergency immediately following the attack on Pearl Harbor. The citation was recommended by Brigadier General Herbert D. Gibson district commanding general.

More than 1,700 Hawaii residents of Japanese ancestry presented a check for \$10,340 to the United States government with the request that the money be used for "bombs on Tokyo". Forty-six American citizens of Japanese ancestry on the Big Island successfully passed their aptitude tests to qualify for combat intelligence service in the U.S. Army.

Brigadier General Herbert D. Gibson, Commander of the Hawaii District was decorated with the Legion of Merit by Lt. General R. C. Richardson Jr., commander of the Hawaiian department, in a ceremony at Fort Shafter.

Approximately 200 school girls have gone to Honolulu to work in the Hawaiian Pineapple Cannery during the summer months. About 300 school boys also left for Honolulu to work in the pineapple fields.

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Mr. H. J. Walsh, formerly park operator in the Haleakala Section sold his hotel, the Grand, in Wailuku Maui, to Honolulu business men and plans to retire.

On June 20 the first regular induction of men into the armed forces through Selective Service since the start of the war was held. There have been several special and limited inductions.

Mr. Charlie Kauhi, retired laborer, died during the night of June 28 at the Hilo Memorial Hospital where he had been for several months. Burial services were held at the Homelani cemetery in Hilo. We believe we helped give this fine big hearted Hawaiian a fitting funeral and as he would have wished it. He was a grand soul, a colorful character, and as much a part of the Volcano region as old George Lycurgus. Mr. Thompson Kauhi Jr., son of Mr. Charlie Kauhi Sr., deceased, is a ranger with the Hawaii National Park. Mr. Kauhi served in the Park for 18 years and he was held in high esteem by all his fellow employees.

Edward C. Wingate,
Superintendent

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

July 13, 1943

MEMORANDUM for the Superintendent:

The monthly report on activities of the Ranger Division for June 1943 follows.

Ranger Service

The Superintendent's trip to Oahu and Maui left the Assistant to Superintendent in charge at Kilauea for two weeks. During this time the Ranger Division spent most of its time in completing an inventory of fire protection equipment. The remainder of the month was spent in patrols, travel counts, and equipment maintenance work. Jr. Park Warden Hauanio worked with the maintenance division the entire month.

Fire Protection

All equipment was inventoried and inspected. The fire truck and booster pump were held in readiness for action throughout the month.

Police protection

Several highway patrols were made. No speeding was observed.

Forest protection

Fifteen goats were destroyed during June.

The Ohaika koa plots were inspected by the Asst. to Superintendent and Dr. St. John, Botanist at the University of Hawaii. The forest to the southeast of Keanakakoi was also visited, including the Koa Oasis, to observe the extent and type of damage continuing to occur as a result of army use.

The fence in the Napau section was repaired.

Maintenance of equipment

The park corral fence was repaired after the mules had gotten out.

A tool box was built by Ranger Medeiros and installed in car #798, for emergency tools.

Work was done on telephone lines, and a park phone at Hilina Pali not now in use was brought in to be installed at Kipuka Nene.

Accidents

A soldier was killed during army maneuvers when he fell into one of the craters along the Chain of Craters road the night of June 8. The park was not notified.

Public Travel

Travel counts were made on the 24th, 26th, and 28th of June. Travel was markedly higher than in May, with a grand total of 40,640 visitors for June as compared to 28,542 for May. Most of the increase was owing to army maneuvers in the area. Fiscal year totals were computed and submitted to the Director's office.

Interpretation

Three bird talks were given by the Asst. to Superintendent to groups at the Y.M.C.A. camp totalling 70 persons.

Paul H. Baldwin
Paul H. Baldwin,
Asst. to Superintendent

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

July 1, 1943

Memorandum for the Superintendent
(Through the Chief Ranger)

Subject: Daily report for the Month of June - 1943

- 6-1-43 On Annual leave.
- 6-2-43 Office duty.
- 6-3-43 Locating park mules, covering the areas of fire Kipuka and bird park. I also made a fence inspection along Kipuka Ohaina boundary.
- 6-4-43 Day off.
- 6-5-43 Preparing material for Mauna Loa telephone line, checking on the telephone line leading to the Observatory, and spent some time on office duty.
- 6-6-43 Detailed on office duty.
- 6-7-43 Preparing material for Mauna Loa telephone line and spent some time on office duty.
- 6-8-43 Preparing material for Mauna Loa telephone line.
- 6-9-43 Patrolling, and also checked on Makaopuhi fire cache.
- 6-10-43 Patrolling, and also did some checking on fire equipment.
- 6-11 to 14-43 On sick leave.
- 6-15-43 Inventory of fire equipment.
- 6-16-43 Took an inventory of fire equipment, and checked on telephone line #10.
- 6-17-43 Took an inventory of fire equipment.
- 6-18-43 Took an inventory of fire equipment.
- 6-19-43 Day off.
- 6-20-43 Detailed on office duty.
- 6-21-43 Repaired the fence line leading from Kalapana trail gate to Napau crater.
- 6-22-43 At the park horse corral checking on riding and pack equipment and also spent some time on office work.
- 6-23-43 Repaired - and spent some time trying to locate some of the park fire equipment.
- 6-24-43 Day off.
- 6-25-43 On traffic count.
- 6-26-43 Building a tool box to be installed on car #798.
- 6-27-43 Patrolling, and spent some time on office work.
- 6-28-43 Working on a tool box to be installed in car #798, and spent a considerable amount of time driving Kauhi and Gambsky to the Hilo Entrance for traffic count.

- 6-29-43 Completed a tool box to be installed in car #798, and also spent time on office duty.
- 6-30-43 Patrolled the Chain of Craters sections and spent some time on office work.

A. B. Medeiros
A. B. Medeiros,
Ranger

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

July 12, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of June, 1943

The month of June was spent mainly on fire equipment work.

A trip was made to Hilina Pali for the purpose of picking up a phone not in use by the Army.

I also made a trip to check on the fence line within the Napau Section. Several places were found down, and were repaired.

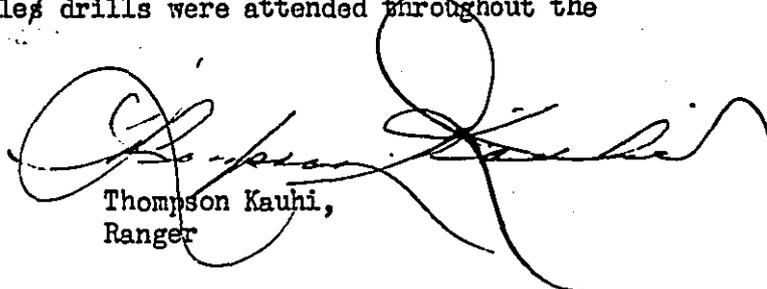
The trail leading into Makaopuhi crater was found to be washed out, and was later repaired.

For the month no patrol was made to check on speeders within the park.

Traffic count work was performed.

For the month, 15 goats were destroyed.

Flag, and 24-hr. duty was performed, and gas readings taken. Hawaii Rifles drills were attended throughout the month.



Thompson Kauhi,
Ranger

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

Red
7/10/43
OAB

Wailuku Maui
July 8, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Assistant to the Superintendent Paul H. Baldwin:

000 General 010 Introduction

Superintendent Edward G. Wingate made his first visit to this section of the park since Oct. 1942.

020 General weather conditions 021 In the park

Max. temp.	70 degrees sometime between the 1st and 5th and on the 9th
Min. temp.	40 degrees on the 23rd.
Rainfall total	0.68 inches
Clear days	16
Partly cloudy days	8
Cloudy days	7

Haleakala Summit 0.61 inches, Rainfall total

100 Administration Park inspections by 121 Superintendent

The Superintendent inspected the park on his visit to this island this month.

150 Equipment and supplies

Two head of stock formerly owned by the CCC were condemned by the Army Veterinarians this month and used for dog food at War Dog Training Sub-Center. One of the animals was the old horse Lio that has not worked due to a permanent lameness for about two years and the other was one of the mules received recently from the Quartermaster Corps of the Army. The mule was also overaged and crippled. The animals are worth about \$120.00 apiece as dog food to the Army. Complete Certificates for Condemned Animals were furnished this office for the animals so we have a good record of the action taken.

200 Maintenance, Improvement and New Construction 220 Improvements

A corral for the mules when we are staying at Kapalaoa Cabin was completed this month. This Corral is about a quarter of a mile down the Waikane Spring trail from Kapalaoa Cabin and is very inconspicuous from the Cabin. Two wing fences were run up into cinder cliffs and a connecting fence constructed between them on the flat at the bottom of the hill. The stock would have to work their way through a maze of cliffs and go out over the top of Haleakala Ridge in order to get out. This type of construction gives a large number of acres enclosed with the least possible amount of fence.

The wire was donated by the Army and the posts were cut from Haleakala Ranch land so no material except the staples were bought for the job.

400 Flora, fauna and natural phenomena 490 Miscellaneous

The silverswords are starting to bloom again. It is not yet known how many plants are blooming or their location but a few along the trail have been observed.

500 Use of Park facilities by the public 510 Increase or decrease in travel

Travel was up slightly this month but no great change was experienced. More campers were in the crater than the previous month.

6600 Protection 640 Destruction of Predatory animals

Seventeen goats were killed this month in the crater. Due to the fact that some of us were on sick leave and could not go into the crater not many hunting trips were made this month.

Frank A. Hjort

Frank A. Hjort
Ranger in Charge

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

July 3, 1943

MEMORANDUM for the Superintendent:

Report of the Hawaiian Volcano Observatory for June.

June is the third month of comparative seismic inactivity. 22 local disturbances were recorded at Kilauea and 15 at Mauna Loa. The shake at 10:37 p.m. June 14 with origin near Waimea was the only one strong enough to be felt locally.

A majority of the cracks near the rim of Halemaumau showed slight openings.

For the month as a whole there was a slight northeast tilt.

Some of the data obtained during the month is exhibited below in tabular form.

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
June 6	Slight SW	4	1.00
13	" E	4	1.00
20	" N	7	2.75
27	" NE	5	1.25

Work of R. H. Finch

The Volcano Letter for January-March 1943 containing an article on the mechanism of the explosive eruption of Kilauea in 1924 was completed and sent to the publisher. Most of my spare time not taken up by seismological routine was spent on making the computations for and writing the above article. The Fagerlund 1942 eruption movie was shown during the evening of June 21 to General Richardson and staff.

One day was spent on the seismograph timing circuit.

Work of Peter Malo

Seismological routine occupied most of his time. He did some work on repairing a seismograph drum and made a light carrying case for the Mauna Loa drum.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

May 1943

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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June 23, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the Month of May, 1943.

Introduction

Except for a most severe wind and rain storm in Hilo on the 3rd, a five day visit by Governor and Mrs. Ingram Stainback that gave him some opportunity to see the park and the award to the park by the Treasury Department of a Certificate for maintaining its record of over 90% participation and 10% payroll deductions for War Bond purchases, there were no events of particular importance during the month. The park actually has maintained a record of 100% participation and the payroll deductions now average 13.5%.

Preliminary work on the Plans on the Shelf Program was completed by the superintendent and a list of projects was forwarded the Regional Office.

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 73° and 48° and at the Haleakala Ranger Station these recordings were 68° and 39°. Rainfall at Kilauea totalled 7.83 inches and at the Haleakala summit the total was 2.62 inches. Snow was visible in patches on both Mauna Kea and Mauna Loa throughout the month and there were light falls on both mountains on the 4th and on Mauna Kea on the 12-13th.

Superintendent's Special Activities

The superintendent was at headquarters throughout the month. The superintendent made an inspection tour to Makenopuhi on May 20. On May 21, the superintendent took Mrs. Stainback wife of Governor Stainback on a trip through Kipuka Puauu and on the 22nd he escorted both on a short tour of the park. The Governor spent a few days at the hotel while here on business. Selective Service Board meetings were attended throughout the month at Olaa. The superintendent attended a morning session of Protestant Clergyman meeting at the Y.N.C.A. camp, May 4, and later had

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- 2 -

lunch with them at the Volcano House.

Lectures, Guide Service, etc.,

The Park Naturalist gave two illustrated lectures to a total of 75 persons. Mr. and Mrs. Fukau of Honolulu, and Dr. and Mrs. Richardson of Honolulu, who were visiting the park went on field trips with the Naturalist.

Research & Observation

The volcanologist reports a total of 39 seismic disturbances were recorded at Kilauea and 26 at Mauna Loa.

There was an appreciable opening of the cracks along Halemauau in the vicinity of the observation point. A trip to the 1942 source of the flank flow of Mauna Loa was made on May 28-30. Several places in the vicinity of the source cone are still quite hot and the odor of free sulphur was detected at one hot spot about 1/4 mile below the cone.

The Park Naturalist and laborer assistant, spent three days on horseback over the route, Kilauea, Devil's Throat, Milina Fali, Kalua, Pepeiau, Kilauea. Several plants were collected, an exclosure site was located for fencing and inventory of plants, and mid-month rain gauge readings were taken. Photographs were taken showing some effects of goat and cattle browsing. Cataloging of herbarium specimens was begun and a botanical bibliography prepared.

A three day patrol was made to the summit of Mauna Loa by the Asst. to the Superintendent and the Jr. Park Warden to inspect the rest houses, telephone line, and trails, and a careful study was made of the old Wilke's camp site. (Camp of Commander Wilke, U. S. Exploring Expedition 1841)

Legislation Affecting or of Interest to the Park

The senate bill establishing a police commission for Hawaii was signed by the Governor and he visited the island of Hawaii for 5 days that he spent largely in interviewing persons recommended for appointment to the commission. At the end of the month he had not announced any appointments.

Police Protection

On highway patrols during the month, several speeders were warned to observe speed limits. The speed limit on the roads of the residential-utility area was changed from 10 to 15 miles per hour.

150 ft. fire hose and nozzle and a garbage can were items stolen from the residential area during the month. These thefts were immediately reported to Police and Army authorities and local investigation

RECEIVED AS FOLLOWS

- 3 -

made without result.

Fire and Sanitary Protection

One fire drill was held during the month, on May 27. Fire protection equipment was inspected.

Fire hazards in basements were eliminated through the cooperation of residents during the clean-up week.

Forest Protection

A number of patrols were made to outlying areas during the month.

Fifteen goats and three male pigs were destroyed during the month, at Kilauea, and at Haleakala a total of 48 goats were killed.

Travel

At Kilauea civilian visitors were estimated to total 16,150 and military visitors 12,305 compared with 7,500 and 28,080 for May 1942.

At Haleakala, visitors were estimated to total 1660 for the month of May, including 1310 in the armed forces. For the same month last year, there were no civilian visitors and about 300 military visitors.

Visitors

Senators David Trask and Francis Silva were guests at the hotel during the month. Also staying at the Volcano House were Representative Flora Hayes and Francis Ii Brown of Kauaui, Waiman.

Mr. Alan Gould, Associated Press, New York City, and Mr. Harold Turnblad, Associated Press, San Francisco, were overnight guests at the Volcano House on the 17th.

All of these persons were given special attention by the Superintendent.

Admiral Chester W. Nimitz, Commanding the Central Pacific Theatre of Operation, paid Maui a visit and was a Haleakala visitor on the fourth of May. The Admiral was escorted to the Park by Capt. Murphy, U.S.N. Commanding Officer of the local air base. The Ranger-in-Charge went to the summit with the party and talked for a few minutes about the crater. It was the Admiral's first visit to the crater.

Miscellaneous

A "Work to Win" campaign was launched on Monday, May 4, by Governor Stainback. The Work to Win campaign has for its objective the

RECEIVED AS FOLLOWS

- 4 -

elimination of absenteeism and the enlistment of everyone in active participation in the "community's war effort." Everyone is wholeheartedly behind this vitally important campaign.

The Army quota for American Citizens of Japanese Ancestry was increased when local military authorities called for volunteers with linguistic abilities qualifying them for duty with military intelligence.

Perhaps the biggest storm Hilo has ever experienced, caused severe damage on May 3. Material damage totalled over \$100,000. Business buildings, warehouses, homes, garages and trees marked the path of the storm that accomplished the damage within 20 to 30 minutes accompanied by a torrential downpour of cloudburst proportions extending over the entire city. The central business district of Hilo was undamaged.

On May 27 the War Department announced the appointment of Major General Robert C. Richardson to succeed Lt. General Delos Emmons in Command of the Hawaiian Department and Military Governor of the Territory.

By the end of the month Honolulu had reported its 52nd case of Infantile Paralysis. Only 2 cases have been reported on Hawaii so far.

Lt. James Deter, son of Mr. and Mrs. John Deter of the Hilo Hotel and nephew of Mr. George Lycourgas, of the Volcano House, is reported to be with the Air Corps in Africa.

During the month the 4th death this year from Bubonic plague was reported in the Hamakua District of this island.

Edward C. Wingate,
Superintendent

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

June 10, 1943

MEMORANDUM for the Superintendent

There follows the monthly report on activities of the Ranger Division for May, 1943.

Ranger Service

Ranger Medeiros was on leave during the latter half of the month. During the first part of the month he gave instruction in horse-shoeing technique to several persons on the staff who have frequent occasion to use the horses.

A clean-up week was held in the park at the instigation of the ranger division. Many truck loads of basement and garden trash were hauled out of the residential area.

A three-day patrol trip was made to the summit of Mauna Loa by the Asst. to Superintendent and the Jr. Park Warden to inspect the rest houses, telephone line, and trails.

Police Protection

Routine patrols of the utility and residential areas were continued. On highway patrols several speeders were warned to observe speed limits. The card index file of names and offenses of traffic rule violators was brought up to date from 1941 through May 1943.

The speed limit on the roads of the residential-utility area was changed from 10 to 15 miles per hour.

Fire hose and a garbage can were items stolen from the residential area during the month. These were reported to the U. S. Army authorities without effect.

Fire and Sanitary Protection

One fire drill was held during the month on May 27. Fire

protection equipment was inspected.

A dozen knapsacks were overhauled and leatherwork repaired. One Trapper-Nelson pack board was repaired.

Fire hazards in basements were eliminated through the cooperation of residents during the clean-up week.

Forest Protection

It was noted that trespass grazing in Kipuka Ki continued throughout the month. Completion of the fence along the boundary of the leased grazing area is urgently needed. Two steers wandered into the largest koa preservation plot through a break in the fence. These were removed and the fence repaired by park personnel. Patrols were made in Kipuka Ki, Ohaikea, and down to the Cone Craters and Mauna Iki.

Fifteen goats and three male pigs were destroyed during the month.

Trails

A complaint was received that the new trail to the 1940 summit rest house is hard to follow. On the patrol trip up there it was found that there are stretches that need clearer marking when we can get around to it. It was suggested to the Naturalist that the location of the rest house by the 1840 Wilkes campsite affords a good opportunity for interpretive development.

Wildlife

The Assistant to Superintendent was able to put a number of afternoons in on the nene food habits study. Droppings were analyzed and the seed reference collection improved.

Communications

The telephone line from Puu Ulaula to Mokuaweoweo was seen to be down in several places. Perhaps as many as three breaks in the wire exist, and about forty poles need re-setting. It is planned to accomplish this work during July if possible.

Travel

Travel counts were made on Monday, May 17, and on Wednesday May 19. The average number of persons per car was found to be up to 3.8, as contrasted to 3.11 for the period from December to

March. Travel figures from May on will include bus passenger totals as submitted by Mr. Hatayama. The grand total of visitor days for May was 29,647, as compared to 22,853 for April.

Civilian Protection

Inspection of all air raid shelters in the park showed that many of the green timber roof beams used are sagging and some are rotting. A good deal of maintenance work will be required to keep them in good shape.

Paul A. Baldwin

Paul H. Baldwin,
Asst. to Superintendent

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

P.H.B.

May 18, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

5-1-43 Day off.
5-2-43 Patrolling - and spent some time on office work.
5-3-43 At the park horse corral training some of the park employees to shoe horses.
5-4-43 At park horse corral training some of the park employees to shoe horses.
5-5-43 Patrolling - and also spent some time trying to locate a missing park horse, covering the areas of Kipuki-Ki - 6 tanks and Ohikea.
5-6-43 At park horse corral - horse shoeing training to park employees and patrolled the utility area.
5-7-43 Day off.
5-8-43 Detailed on office duty.
5-9-43 Spent some time at the park shop giving horseshoe shaping training to park employees and spent some time on office duty.
5-10-43 Spent some time at park shop giving horse shoe shaping training to park employees, and also, office duty.
5-11-43 At park horse corral giving horse shoeing training to park employees and also did some painting on speed signs.
5-12-43 Patrolled - covering the foot prints, Mauna Iki, Cone Craters and Uwekahuna areas. I installed a sign at the entrance to the foot prints trail and was accompanied by Ranger Kauhi.
5-13-43 Repaired knapsacks and made an inspection of the Volcano House water tanks.
5-14-43 Repaired knapsacks and one saddle.
5-15-43 On Annual Leave.
to
5-31-43

A. B. Medeiros
A. B. Medeiros,
Ranger

3 pages

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

P.H.B

June 5, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of May, 1943.

For the month, patrols were made checking on air raid shelters and vacant houses. Several air raid shelters were found in need of repairs. During such patrols, reports were made and turned in to the Chief Ranger.

A patrol was made of the Mamalahoa highway checking on speeders and a few drivers were stopped and warned to observe the speed limit signs. A search was made for a missing fire hose and one nozzle, around the park residential area and at the former CCC camp. The hose and nozzle ~~at the old Volcano House and Dormitory building~~ are still missing.

Two night patrols were made during the month around the residential area and the Volcano House.

On the 12th of May Ranger Medeiros and I made a trip to investigate an army target range at Cone Crater.

The white mark on the side of Cone Crater is a boundary mark.

I attended 4 Hawaii Rifle drills, took gas readings and performed 24 hr. duty.


Thompson Kauhi,
Ranger

6 goats

RECEIVED AS FOLLOWS

May 31, 1943

MEMORANDUM: For the Superintendent
Through the Chief Ranger

SUBJECT: Daily report for the month May 1943.

Jobs which were done during the Month of May, three days cleaning out scrap lumber's and irons and also hauling trash from all residential cottage.

Two days hauling dirt from Keanakakoi for fill-in at Hotel parking space. We spented two days oiling part of this parking space.

Three days hauling rock along road sides below and above Peter Lee road, rock was brought up to makani paio to be crush for hotel parking space

May 16 Ranger Kauhi and my-self was sented up to first koa plot mauna loa trail to cut down broken koa branch on fence line, branch was sawed off and we diding think that cattle was still inside of koa plot.

May 27, Ranger Kauhi, Gambsky, and my-self was up at Park corral, shoeing four horse, and two mules . took us all day to do the job.

May 28, Gambsky and myself took animals up to end of truck trail, the following day Ranger Baldwin, Mr Finch, Gambsky, and my-self made two days trip up to Mauna loa and back.

Returning from Mauna loa, Gambsky and I selpt at 7000, then the next day we both brought the animals down to park corral. on our way down we stopped at koa plot to drive two steers out-side of fence; took us almost an hour to drive this two cattle out. finally we got both of them out and nailed them wires back, and came back.

Wild Goats distroyed: 15 goats.
Office duty, and Hawaii Rifles attended.

John P. Hanania, Jr.
John P. Hanania, Jr.

Junior Park Warden.

Paul Baldwin



1. No. visitors for May 1660
2. No military visitors included in this total (1660) — 1310

Radio sent
6/11/43 to
Director. OBB

Jalakala

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON

Memorandum to Superintendent Edward G. Wingate:

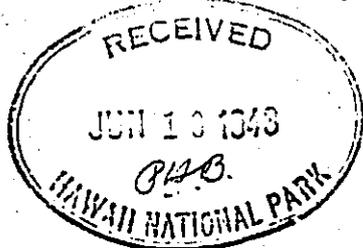
Well I survived the operation and feel quite decent considering everything.

As I said before I am going to become a beach comber for the next couple of weeks.

Frank A. Hjort

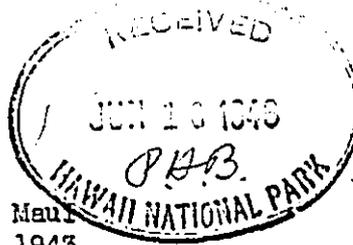
Frank A. Hjort
Ranger in Charge

Bob came back to work on the 7th.
noted 8/13/43.



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

Wailuku Maui
June 5, 1943.



Memorandum to Superintendent Edward G. Wingate Through the office of the Assistant to the Superintendent Paul H. Baldwin:

000 General 010 Introduction

Admiral Nimitz paid Maui a visit and was a park visitor on the fourth of the month. The Admiral was escorted to the Park by Capt. Murphy U.S.N., commanding officer of the local air base. The Ranger in Charge then went to the summit with the party and talked a few minutes about the crater. This was the Admiral's first visit to the crater nor had he seen it from the air.

020 General weather conditions 021 In the park

A number of small rains kept us supplied with water and continued to keep things green. Vegetation both inside and outside the crater looks the best it has for several years.

Haleakala Ranger Station

Max temp.	68 degrees on the 22nd
Min temp.	59 degrees on the 7th
Rainfall total	4.26 inches on about 15 different days
Clear days	11
Partly cloudy days	13
Cloudy days	7

Haleakala summit

Rainfall total 2.62 inches

300 Activities of other agencies in the park 320 Cooperating government agencies

The Navy has again established a weather station at the summit. This time however it was felt that no assistance except of a minor nature would be given the aerologist as the Army is in a better position to help than we are. All work is being handled from Red Hill and the aerologist lives with the M.P.'s who do the guard duty there.

400 Flora, Fauna, and natural phenomena 460 Birds

The Plovers left this island for the north sometime during the week beginning May 30.

600 Use of park facilities by the public 510 Increase or decrease in travel

A few more visitors, both civilian and military, visited the park this month than last month.

600 Protection 640 Destruction of predatory animals
Forty-eight goats were killed in the crater this month

Frank A. Hjort
Frank A. Hjort, Ranger in Charge

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

June 7, 1943

MEMORANDUM for the Superintendent

Report of Hawaiian Volcano Observatory for May

The spell of seismic quiet that marked April continued through May. 39 seismic disturbances were recorded at Kilauea and 26 at Mauna Loa. An earthquake at 5:10 a.m. April 8 that originated on the eastern flank of Mauna Loa was felt slightly at widely scattered points in the eastern part of this island.

Fume from the center of Mokuaweoweo ^{was observed} on May 29.

There was an appreciable opening of the cracks along the Halemaumau in the vicinity of the developed observation locality. There was a measurable movement at some of the cracks along the Chain of Craters road.

Some of the data obtained during the month is exhibited ⁱⁿ the following table:

Week ended	Tilt	Seismic disturbances	Seismicity
May 2	Slight WSW	4	1.25
9	" SW	14	6.00
16	" NNW	12	3.25
23	" SSE	4	1.00
30	" NE	7	1.50

Work of R. H. Finch

Observatory routine work took up most of each day. A trip to the 1942 source of the flank flow of Mauna Loa was made on May 28-30. Several places in the vicinity of the source cone are still quite hot. The odor of free sulphur was detected at one hot spot about 1/4 mile below the cone. The place seems to be the one from

which conspicuous fume was emitted for two weeks or so after the flow stopped. A study of a possible mechanism of the explosive eruption of Kilauea in 1924 is being made.

Work of Peter Malo

Aside from seismological routine his time was largely spent in the shop and assisting in adjustments to the seismographs.

R H Finch

R. H. Finch,
Volcanologist

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

April 1943

IMPORTANT

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ARNO B. CAMMERER,
Director.

RECEIVED AS FOLLOWS

May 18, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of April, 1943.

Introduction

On the final day of its session, April 20, the Territorial House of Representatives passed and sent to the Governor the Senate Joint Resolution directing the Commissioner of Public Lands to acquire by purchase or condemnation for Hawaii National Park, the land of Kamaoana, 10,480 acres in the authorized Kalapana addition to the park. This is the piece of land on which Senator W. H. Hill, of Hawaii, had secured an option with the intention of effecting an exchange of this property for the valuable revenue producing government land on which he and his backers had erected the Maniloa Hotel in Hilo. Thus for the second time he was frustrated in his efforts to obtain the hotel site from the government.

By passing this bill the legislature has in all directed the acquisition for the park of 14,769 acres which together with a total of 11,675 acres of government land already acquired leaves a total of about 22000 acres to be acquired by exchange, purchase or condemnation. There is good reason to believe that considerable progress will be made toward completing the addition within the next couple of years.

In contrast with conditions existing for some seven months following the start of the war when the Kilauea Volcano House was practically devoid of civilian guests and it was thought for a time that the only solution would be for the government to take over the hotel, it is now so crowded and there are so many requests for reservations that the operator is having difficulty in providing accommodations. In fact, such inconvenience has been caused by persons with reservations for a specified period deciding to stay on for a longer visit. All of this has led to several discussions on the possibility of constructing at least a part of the 20 room addition to the hotel that was planned for when it was built.

Following receipt of radio advice from the Director's office that

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the Service was unable to recommend approval of the tentative agreement worked out locally whereby the army was to make use of certain portion of the park at Kilauea for training and other purposes, a letter was addressed to the Commanding General, Hawaii District, urging him to reconsider the matter. The General promised to take this up with the Military Governor of the Territory and later in the month the General wrote us stating that arrangements had been completed for the use of other areas outside the park. This reply was exceedingly gratifying as damage to the park had begun to reach serious proportions and if the use continued for an extended period, irreparable harm would have resulted and even a minimum of obliteration of the scars would have cost probably around \$100,000.

Considerable time was spent by the superintendent on the "plans on the shelf program" and revision of the Master Plan but like everything else these days the progress suffered from numerous interruptions, and the absence of personnel familiar with the park, plans for its development and so on. P.C.P. proposals were prepared and forwarded the Regional Director for 13 new jobs and revisions of 2 others and a revised priority list for the whole P.C.P. submitted.

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 73° and 48°. At the Haleakala Ranger Station a minimum of 36° was recorded on the 11th. Rainfall at Kilauea totalled 7.14 inches and at the Haleakala Ranger Station 1.92 inches. At Haleakala summit the total was 0.41 inches. Snow was visible in patches on both Mauna Loa and Mauna Kea throughout the month.

Superintendents Special Activities

The superintendent was at headquarters throughout the month. The superintendent attended a Boy Scout luncheon in Hilo, was present on April 3rd at a Delinquency Drive Conference, and attended one meeting of the Hilo Chamber of Commerce. He made an inspection tour of the Chain of Craters Road on the 2nd, the "Army Impact Area" on the 12th, and the "Napau Crater" on the 28th. Selective Service Board meetings were attended throughout the month at Olaa.

Lectures, Guide Service, etc.

The Park Naturalist gave two illustrated lectures to a total of 60 persons. One auto caravan of 10 persons was conducted by the park naturalist. On April 19, the park colored film of the 1942 eruption of Mauna Loa was shown to a troupe of girl scouts from Hilo.

At Haleakala, two trips were made this month through the crater with service men. One trip consisted of 64 men mostly army with a few Seabees, and the other was a combined pleasure and toughening up exercise for 65 men of the ambulance corps. The 1942 Mauna Loa eruption

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pictures were shown by the Ranger-in-Charge to 10 Army groups, to the Maui Junior Chamber of Commerce, and to the Navy Base at Puna twice in order to catch all the men at their two regular evening shows.

Research & Observation

The volcanologist reports a total of 36 seismic disturbances were recorded at Kilauea, and 35 at Mauna Loa. Not one of these shakes was perceptible at the Park Headquarters.

One small landslide from the walls of Halemauau that raised a perceptible dust cloud was observed. There were several other small unobserved landslides. A majority of the cracks around Halemauau opened slightly, with the largest movement in the vicinity of the tourist observation area.

In company with the Assistant to the Superintendent, the Park Naturalist spent nine days on a field trip into the central plateau country of Hawaii Island primarily for the purpose of investigating the range and habitat of the Hawaiian Goose, (*Nesochen sandwichensis*.)

Cooperating Government Agencies

An O.P.A. office has just been set up on the Big Island and is divided into two sections - price and rationing. Some new price ceilings have already been put into effect.

The "Ajax" Americans of Japanese Ancestry, were honored at several ceremonies prior to their induction into the army and were addressed by several high ranking army and civilian men.

Colonel W. R. C. Morrison has replaced Brigadier General Thomas H. Green as executive to the Military governor, in Honolulu.

A central identification bureau has been established on the island of Hawaii by the army to issue passes and control travel to and from certain areas.

Legislation Affecting or of Interest to the Park

The senate bill, establishing a police commission for Hawaii county passed final reading in the Senate and was sent to the Governor. He is expected to sign the bill since he advocated such legislation in his message to the legislature.

Police Protection

An automobile accident at the Volcano House caused by Sgt. J. Kirkpatrick, U. S. Army, was reported to the Provost Marshall and appropriate action is being taken by the Military Authorities. An army driver was warned against speeding in the residential area. Another accident

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on the Kaula Highway, driver Joe Azevedo, was investigated.

Blackout lights on the Ranger Patrol cars and fire truck were readjusted to conform to new military orders.

Fire & Sanitary Protection

The regular quarterly fire and sanitary inspection for April was made. Fire cache buildings were given a new coat of paint and the fire equipment shed was cleared of lumber to provide room for the new booster pump equipment chest.

Forest Protection

A number of patrols were made to outlying areas during the month.

At Kilauea 13 goats and 8 pigs were destroyed and at Haleakala 67 goats were disposed of. At Haleakala, 2 house cats were also destroyed. A definite effort was put forth to get them before the hatching season for the pheasants and quail.

Travel

At Kilauea civilian visitors were estimated to total 11,978 and military visitors 10,022, compared with 6,000 and 28,080 for April last year. Travel was down this month compared to March.

At Haleakala civilian visitors were estimated to total 300 and military visitors 1180 compared with civilians none, and military 350 for April, last year.

Miscellaneous

At Haleakala, one of the park mules fondly known as "Joe E. Brown" was strangled to death at Kapalua Cabin when one of his hind shoe heel caulks became caught in the picket rope around his neck. Joe E. was the Ranger Station pet and he will be missed by many Maui people as he was as well known as many a man, and was the frequent subject for pictures by crater travelers.

It is reported that Hawaii hurdled the "tax" month of March with Series E war bond sales amounting to \$4,076,415 or 116 per cent of sales to the quota of \$3,500,000. The territory maintained its record of being the only state or territory that has exceeded its quota each month since quotas were established.

Considerable surprise was expressed locally at the statement appearing in local papers April 14 attributed to General J. L. De Witt, Commanding the Western Defense Command to the effect that "A Jap's a Jap and it makes no difference whether he is American citizen or not" and, "I don't want any of them. We got them out. They were a dangerous

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element."

These same American-citizens of Japanese ancestry had just been receiving much praise from high local army officials during ceremonies attending induction of some 2,500 volunteers into the armed forces. The action of the Secretary of the Interior in giving a few of these citizens employment has met with favorable comment here.

Edward G. Wingate,
Superintendent

ECH/vm

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

May 4, 1943

MEMORANDUM for the Superintendent

The monthly report for April on the activities of the ranger division is submitted.

Ranger service

Good weather prevailed for the greater part of April. Most of the time of rangers was put into police work, telephone line maintenance, and fire inspection work. Patrolling to outlying regions was not done this month because of pressure of other work coupled with the small size of the staff. There is no intention of neglecting this work, though we are forced to hold it to a minimum for the time being.

Police protection

The parking areas on the Volcano House grounds were divided into parking stalls, and yellow dividing lines were painted on the pavement. Other pavement signs in the park were re-painted, as they were growing faint.

An accident at the Volcano House, caused by Sgt. J. Kirkpatrick, was reported to the Provost Marshall. Appropriate action is being taken by the military authorities. An army driver was warned against speeding in the residential area. An accident on the Mamalahoa Highway, driver: Joe Azevedo, was investigated.

Blackout lights on the Ranger Patrol cars and Fire Truck were readjusted to conform to new military orders.

Patrols were made throughout the month on foot and by car covering the residential and headquarters area, Mamalahoa highway, Bird Park, Fire Kipuka, Kipuka Ki, and the ohelo berry restricted picking areas.

Fire and sanitary protection

The regular quarterly fire and sanitary inspection for April was made. Fire cache buildings were given a new coat of paint.

10,022
11,978

The fire equipment shed was cleared of lumber to provide room for the new booster pump equipment chest.

A dead horse (belonging to the park operator) in a steam crack was covered.

Communications

The single line galvanized iron telephone line to the Ainahou O.P. from the ranch house was removed, so the wire would be available for use elsewhere. The old, worn-out twisted pair wire to the corral telephone gave trouble with short circuits, so it was removed and replaced with a 2-wire galvanized iron line. Several shorts on the Mauna Loa - observatory line developed and were eliminated. However, the line is still giving us trouble.

- Telephone data were revised for the new master plan.

Trail maintenance

The lava tube trail was cleared of ferns and branches. A sign was prepared directing hikers on the Mauna Iki trail to the foot-prints exhibit. The Kilauea Iki trail was reported blocked by fallen trees and will be cleared as soon as men are available for the work.

The fence at Fire Kipuka was reported damaged by a fallen Koa.

Travel

Two travel counts were taken in April. Travel was down this month^{as} compared to March.

	<u>Total cars</u>	<u>Total visitors</u>
March	5170	29,412
April	3852	22,000

Forest Protection

Goats and pigs were destroyed as follows:

	<u>Goats</u>	<u>Pigs</u>
Male	8	0
Female	1	2
Sex undetermined	4	0
Embryo	0	6
Total	13	8

Wildlife

Recommendations concerning keeping of chickens in the park during the war emergency were made. The annual wildlife report was submitted. A field trip to determine the status of the nene in the lands of Kahe was made and reported upon separately. Work was continued on nene range and food habits studies. +

Paul H. Baldwin

Paul H. Baldwin,
Asst. to Superintendent

ppr

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

April 30, 1943

MEMORANDUM for the superintendent
(Through the Chief Ranger)

Subject: Daily report for the month of April 1943

4/1/43 At Ainahou taking down telephone wire leading from the ranch house to the outpost.

4/2/43 Sign work at paint shop and spent some time on office duty.

4/3/43 Day off.

4/4/43 On quarterly sanitation inspection.

4/5/43 Working on horse corral telephone line.

4/6/43 Working on horse corral telephone line.

4/7/43 Working on horse corral telephone line and also did some work on telephone line leading to the lava tube.

4/8/43 Made a trip to Hilo to bring up some freight.

4/9/43 Quarterly fire and sanitation inspection

4/10/43 Quarterly fire and sanitation inspection, and also did some checking on the parking spaces at the Volcano House.

4/11/43 Day off.

4/12/43 Painting parking spaces at the Volcano House.

4/13/43 Painting parking spaces at the Volcano House.

4/14/43 Painting parking spaces, Volcano House area.

4/15/43 Office duty, and spent considerable time on covering a dead horse that fell in a steam crack. This horse was owned by the Volcano House.

4/16/43 Day off.

4/17/43 Detailed on office duty. Night patrol - 2 hrs.

4/18/43 Patrolling - covering bird park, Uwekahuna, and Kilauea sections.

4/19/43 Painting 25 mile speed limit, and slow down signs on the highway.

4/20/43 Checking on lava tube telephone, and line to switch pole. I also lowered a trail sign on the steaming bluff trail, and touched up the Hilo Entrance sign.

4/21/43 Patrolling - and spent some time on office duty.

4/22/43 Checked on telephone line #10 - covering the horse corral, Mauna Loa, and Makani paio sections. I was accompanied by Ranger Kauhi on this trip.

4/23/43 Painted fire caches - Mauna Loa section - and destroyed 5 goats.

4/24/43 Office work.

4/25/43 Day off.

4/26/43 I hauled some lumber from the fire wagon shed to the Observatory building, and took traffic count.
4/27/43 Cleared the lava tube trail and spent some time doing sign work.
4/28/43 At Ainahou taking down a telephone line.
4/29/43 At the park horse corral, shoeing park horses.
4/30/43 Took traffic count and did some office work.

A. B. Medeiros

A. B. Medeiros,
Ranger

AM

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

May 3, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of April, 1943.

During the month of April two inspection trips were made checking on the fence line around Kipuka Ki and Fire Kipuka. In Fire Kipuka, I noticed that some of the wire was torn, caused by a Koa tree which had fallen.

Communication

For the month of April, three to five trips were made to check on line #10 - covering all the mauka section and through the Giant Koa where the line was found down. The Horse Corral telephone line was tested and a short was found which was caused by the line crossing over another. The insulated wire was taken down and replaced with galvanized wire.

Police work

Two patrol trips were made on the Mamalahoa highway checking on speeders. I also checked on visitors picking ohelo berries in restricted areas and checked the Volcano House area for cars parked out of stalls. Traffic count work was performed.

*Investigated accident
4/25/43*

Q.H.S.

Fire protection work

I made a check on extinguishers around the old Volcano House and dormitory. A brief report was made and turned in to Ranger Medeiros who was on fire and sanitation work.

Special detail

Flag - 24 hr. duty, and took gas readings. I attended the Hawaii Rifles drill.


Thompson Kauhi,
Ranger

THP

April 30, 1943

MEMORANDUM : For the Suprintendent
Through the Chief Ranger
SUBJECT : Daily report for the Month of April, 1943.

Jobs which were done during the Month of April, was first taking off V 8 engene from old truck at back of shop down at G.C.C.C Camp, and picking one inc. and $\frac{3}{4}$ inc. pipes which were placed inside of barracks, also brought up white sand found on pool table.

Sand was brought up for childrens play ground; a play house was builed, also putting up swings, see- saw and runing a water line in the play ground, which was conected from the upper side house.

On April 6, Waltjen and I, went to town, to pick up an Elec tric stove, and furnitures. April 23, we made another trip to Hilo bringing up 15 drums of Bitumul which were bough for road work.

Four days was spented at Makani Paio, hauling and Crushing rock. we had too many side jobs that we could keep up with our crushing.

A day was spented working on 800, sadoring gasoline tank and welding broken moffler. April 25 Ranger Kauhi and I was sented down between Peter Lee, and Kau entrance, to ject on an excident; Driver claim that while driving up toward Volcano a tire blu out and he lost controll and the car ran against an Ohia tree.

Two days spented working on electric cable line runing to Jaegars home. one day at G.C.C.C Camp hauling dirt for garden used.

April 11. We all attented the Hawaii Rifle parrade at Hilo, We stard marching from Junior High School to Hilo Drug corner, and straight down passing Mcohean Park. From there we all got on our trucks and went to Hoolulu Park; we marched around that area one and was inspected by the General. after inspection we had lunch, and lefted for home.

John P. Hauanio Jr.
John P. Hauanio Jr.

Junior Park Warden.

[Handwritten initials]

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

Received
May 3, 1943
EAB

Wailuku Maui
May 1, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Chief Ranger:

The following narrative report of the Haleakala Section for the month of April 1943 is respectfully submitted;

000 General 010 Introduction

Most of the month was spent hunting goats, conducting Army--Navy trips, showing the 1942 Mauna Loa eruption pictures, and on road maintenance.

020 General weather conditions 021 In the park

The weather moderated somewhat this month. No heavy rains were experienced yet a good number of small rains kept the vegetation green and supplied water.

Haleakala Ranger Station:

Max. temp.	70 degrees on the 28th
Min. temp.	36 degrees on the 11th
Rainfall total	1.92 inches on 11 different days
Clear days	16
Partly cloudy days	12
Cloudy days	2

Haleakala Summit;

Rainfall total 0.41 inches

400 Flora, fauna and natural phenomena 410 Ranger guide service

Two trips were made this month through the crater with service men. One on Wed. the 7th consisting of 64 men mostly Army but some Seebes. The other trip was a combined pleasure and toughening up exercise for 65 men of the ambulance corps. This trip was on the 15th. The Army called off the Wed. the 21st trip on account of maneuvers.

Three overnight trips were made, one with Army men, one with Navy men, and one with civilians.

The 1942 Mauna Loa eruption pictures were shown to 10 Army groups, to the Maui Junior Chamber of Commerce, and to the Navy Base at Puunene twice in order to catch all the men at their two regular evening shows.

460 Birds

A large number of Valley Crested Quail were seen along the road to the summit. Most of the birds were in pairs as this is their breeding season. The almost complete absence of quail in the park before this seems to indicate that with the coming of warmer weather they move up the mountain and into the park.

500 Use of park facilities by the public 510 Increase or decrease in travel

Warmer weather brought a marked increase in both military and civilian travel this month.

600 Protection 640 Destruction of predatory animals

67 goats were killed in this section of the park this month.

2 house cats were also killed. The presence of these wild house cats had been known for some time as they frequented the Army A. W. S. camp. A definite effort was put forth to get them before the hatching season for the pheasants and quail.

900 Miscellaneous

One of the park mules fondly known to us as Joe E. Brown strangled to death at Kapalaoa Cabin when one of his hind shoe heel caulks became caught in the picket rope around his neck. This happened on the night of the 28th

Joe E. was the Ranger Station pet. Many children used to ride him. He was the "exclusive private property" of my daughter having carried her into the crater many times without mishap since she was 4 years old.

Joe E. will be missed by many Maui people as he was as well known as many a man. He was the frequent subject for pictures by crater travelers.



6/12/20

Miss Anne Hjort with Joe E, Brown

Frank A. Hjort
Frank A. Hjort
Ranger in Charge

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

May 6, 1943

MEMORANDUM for the Superintendent

Report of Hawaiian Volcano Observatory for April

The number of seismic disturbances recorded at Kilauea and Mauna Loa was about equal in April, or 36 and 35 respectively. None of the shakes was perceptible in Hawaii National Park.

Some visitors made the ascent of Mauna Loa on April 17 and reported perceptible fume in Mokuaweoweo.

A majority of the cracks around Halemaumau opened slightly, with the largest movement in the vicinity of the tourist observation area.

One small landslide from the walls of Halemaumau that raised a perceptible dust cloud was observed. There were several other small unobserved landslides.

There was a slight westerly tilt during the month.

Some of the data obtained during the month is shown in the following table:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
April 4	Slight SW	9	2.25
11	" WNW	4	0.75
18	Very slight NE	16	4.00
25	" " W	7	1.75

Work of R. H. Finch

The Volcano Letter for October - December 1942, containing an article on the ash deposit at Kilauea, was completed and sent to the printer. On April 19 the Fagerlund colored movie of the 1942 eruption of Mauna Loa was shown to Girl Scouts. On April 20 a troop of Girl Scouts were taken on a short tour in the Park. Most of the seismological routine was kept current.

Work of Peter Malo.

A large part of his time was taken up in seismological routine.

He used the lathe to make some small parts for seismographs. Though but few people occupy the Observatory-Naturalist building at present rather frequent janitor service is required.

R. H. Finch

R. H. Finch,
Volcanologist

egw

10-23
(May 1929)
6-7410

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

FILE NO.

MONTHLY REPORT

March 1943

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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April 27, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of March 1943.

Introduction

On March 10, at a formal ceremony at Iolani Palace, Honolulu, the return from the Military Governor to the Civil Government of jurisdiction over various civil rights and functions was effected. In general the restoration covered all those civil functions assumed by the Military Governor under the proclamation of Martial Law on December 7, 1941, except those directly connected with or affecting the operations of the armed forces in the defense of the Territory. All previous orders of the Military Governor, affecting civilians, were rescinded and 14 new orders issued covering those functions jurisdiction over which was retained. The right to assume jurisdiction over any and all functions restored was also retained.

Some concern was expressed by sugar plantation people on the outside islands over the problem created by abolishment of restrictions on travel and the labor freeze orders. It was reported that agencies in or about Honolulu were attempting to raid the sugar plantation labor supply and that a number of employees were leaving the plantations lured by reports of high wages in Honolulu. This matter was taken up with the Civil Governor and appears to have been straightened out to the satisfaction of the employers.

Damage to the park through use by the army for training and other purposes is increasing beyond expectations and is not confined to the area specified in a tentative agreement reached locally covering this use. In the latter part of the month word was received that the Service could not recommend approval of this agreement and the army authorities were so informed. A careful study of this whole matter was made and it is to be presented to the General in command for his further consideration.

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were 75° and 43°. At the Haleakala Ranger Station a minimum of 34° was recorded

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on the 6th. A new maximum thermometer was installed at this station on the 20th and the highest reading during the remainder of the month was 62°. Rainfall at Kilauea totaled 9.63 inches and at the Haleakala Ranger Station 4.88 inches. At Haleakala summit the total was 2.63 inches. Snow fell on Mauna Loa and Mauna Kea three days in the month. The heaviest fall was on the 6th - 9th when the lower limit was around 9,700 ft.

The mountains were snow capped all month though the snow was reduced to sizeable patches by March 30. There was dense fog at Kilauea on the 6th and 13th and on the 3rd at Haleakala. Thunderstorms occurred at Kilauea on the 18th, 19th and 30th and at Haleakala on the 18th.

Superintendent's Special Activities

The superintendent was at headquarters throughout the month occupied principally on study of the Project Construction Program and the Master plan; matters related to army use of the park including field inspections; Y.M.C.A. and Boy Scout Committee work stemming from a rather comprehensive report of a committee of citizens initiated by the "Y" and headed by Judge Frank McLaughlin on the needs and problems of youth particularly during this war period. The superintendent served on the Y.M.C.A. program and policy committee and was appointed to head two committees set up under this program to work with labor and Employer groups.

Selective Service local board meetings were attended at Oloa and on the 26 he addressed a group of American citizens of Japanese ancestry who were being inducted into the army as volunteers under the plan whereby 2500 of these citizens were being inducted throughout the Territory.

Lectures, Guide Service, etc.

The park naturalist gave five illustrated lectures in the park to a total of 155 persons. One lecture on Hawaiian birds was given outside the park by the Assistant to the superintendent to 45 school children. One auto caravan of 20 persons was conducted by the park naturalist.

Research and Observation

The volcanologist reports a total of 71 seismic disturbances were registered at ~~Mauna Loa~~ ^{Kilauea}. Only one of these was plainly perceptible at the park headquarters. None of the quakes were of especial volcanic significance and the volcanoes remained quiet throughout the month.

A few landslides were observed at Halemauau, the most conspicuous being from the southwest wall. Most of the rim cracks in the vicinity of Halemauau showed slight opening. Two showed small closures.

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Police Protection

One arrest was made for speeding both within and outside of the park. The offender, T. Sugiyana driving a commercial truck was given a 6 months suspended sentence. One driver was reprimanded for travelling at excessive speed through a 25 mile zone in the park.

Evidence of unauthorized hunting in the park has been obtained but so far the rangers have been unable to apprehend the offenders.

Test blowing of the siren at blackout was discontinued to conform with changed procedure outside the park.

Fire Protection

Two fire drills for the staff were held and a mechanic was loaned by the U. S. Engineers to overhaul the fire truck. A chest for auxiliary fire fighting equipment was made for use with the booster pump and all unmarked fire tools were stamped.

Forest Protection

A number of patrols to outlying areas were made including one through Apua and Kahua where, at an old village site called Naunuu exceptionally fine stands of native broad-leaved trees were seen.

At Kilauea 16 goats and two pigs were destroyed and at Haleakala 46 goats were disposed of.

Travel

At Kilauea civilian visitors were estimated to total 16,078 and military visitors 13, 334. For the same month last year these figures were, civilian 4500 military 4000.

Dr. Benjamin Draper, of the Office of Price Control was a guest at the Volcano House for a few days. He was given special attention by the superintendent and other employees.

Publicity

Local papers gave publicity to the appointment of Acting Chief Ranger Paul Baldwin to the position Assistant to the Superintendent, and to the very creditable record park employees have made in the purchase of War Bonds. There is now 100% participation and the average payroll allotment is 12.5%.

Miscellaneous

Attorney Ray J. O'Brien now a Colonel in the Hawaiian Territorial Guard was appointed Judge of the 3rd Circuit Court, Kona, to replace

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Judge Wesley Thompson. It is expected that the 3rd and 4th courts will be combined as recommended by Governor Steinback and that Judge O'Brien will serve the entire island replacing also Judge Frank McLaughlin who has been confirmed as Judge in the Territorial Supreme Court.

A small playground is being constructed on a vacant site in the residence area in order to give the number of small children a safe place to play.

Ranger Frank Hjort and wife from Haleakala spent a few days on leave at the Volcano House. The staff at Kilauea was much interested and benefited by his account of war problems at Haleakala.

Edward G. Wingate,
Superintendent

Orig. 24 - Director
c.c. - Region IV
c.c. - File

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

April 5, 1943

MEMORANDUM for the Superintendent

The monthly report on activities of the Ranger Division for March, 1942 is submitted.

Ranger Service

An outstanding event this month was the visit of Ranger and Mrs. Hjort. Ranger Hjort told of his work on Maui for the benefit and enjoyment of all of us.

Police Protection

T. Sugiyama was arrested for speeding from Glenwood to the park by the undersigned. He was given a 6 months suspended sentence. Another driver was reprimanded for going 30 m.p.h. in a 25 mile zone in the park.

Judge Irwin of Hilo, U. S. Commissioner, found out through correspondence that he could try cases from the park.

Evidence was obtained that local pig hunters are going into the Chain of Craters area without passes. Several checks were made, but we failed to catch them.

Blowing of the siren at blackout time was discontinued to conform with current practice outside the park.

Building Fire Protection

Two fire drills for the staff were held during the month. The Fire Truck was overhauled by Mr. Fujimoto and is now in much better condition than it was before. A chest for auxiliary fire fighting equipment was made for use with the booster pump. Fire tools were checked for N.P.S. marks and those lacking marks were stamped.

Forest Protection

A number of short patrols to different areas were made, including a hike from Ainahou Ranch over to Nauulu village. Exceptionally

fine stands of native broad-leaved trees were seen near the latter locality. Sixteen goats and two pigs were destroyed during March.

Maintenance of equipment & installations

A number of trail signs were installed in the Sulphur banks area trail system. A temporary telephone line was installed to the corral from the Mamalahoa highway using old twisted-pair wire. This wire proved unsuitable as it developed a short from swinging in the wind. It will be replaced with galvanized wire which is now available from the abandoned line which went from Ainahou Ranch to an O.P.

Accidents

Clifford De Mello severely lacerated his hand on the buzz saw and was given leave for about two weeks.

Travel

Two travel counts were made as reported upon separately. Travel this month was somewhat heavier than in February.

Paul H. Baldwin

Paul H. Baldwin,
Asst. to Superintendent

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

March 31, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Daily report for the month of March 1943.

- 3-1-43 Checking on location and distance for new telephone line from main high-way line to park horse corral, and spent some time on a fire drill.
- 3-2-43 In the Mauna Loa section, checking fire tools cache and also checking the evacuation center. Considerable time was spent on office duty.
- 3-3-43 Made an inspection of fire tools and prepared material for new telephone line to horse corral.
- 3-4-43 Day off.
- 3-5-43 At the fire wagon shed painting signs on the fire wagon, and preparing material for the new telephone line to the horse corral.
- 3-6-43 I did some cleaning at the park paint shop and installed a sign at the entrance to the sulphur bank trail. I also took De Mello to K. M. C. for medical treatment and, at the same time, made a report on a fence near the Mauna Loa gate that had been cut by some of their horse-back riders.
- 3-7-43 Detailed on office duty.
- 3-8-43 Installing signs - sulphur banks trail, and did some cleaning in park paint shop.
- 3-9-43 Spent some time cutting poles in the back of the Kilauea Volcano House horse stables for new telephone line from the highway to park horse corral on line #10.
- 3-10-43 Working on telephone line #10 - highway to horse corral.
- 3-11-43 Worked on telephone line #10 - highway to horse corral.
- 3-12-43 Detailed on office duty.
- 3-13-43 Off duty.
- 3-14-43 " " .

- 3-15-43 Worked on the horse corral telephone line - exchanging phones and prepared some poles. I also hauled some telephone poles from the end of the Chain of Craters road to the park yard.
- 3-16-43 Office duty and traffic count.
- 3-17-43 Made a remote patrol and inspection tour accompanied by Ranger Baldwin, covering the mountains of Apua - Kahue, and Kialakomo sections.
- 3-18-43 Office duty - and also did some work on horse corral telephone and on cottage #8.
- 3-19-43 Preparing material for horse stables gate, cleaning paint shop, and checked on former CCC camp water pump and pumped some water in pressure tanks.
- 3-20-43 At horse stables building a gate and checking on old park telephone line to Keauhou ranch.
- 3-21-43 Patrolled - and installed a sign on sulphur banks trail passing the Volcano House stables.
- 3-22-43 Detailed on patrol and office duty.
- 3-23-43 Day off.
- 3-24-43 Detailed on patrol duty and changed the telephone at the Hotel Dormitory Building to another location in the same building. Installed two signs on sulphur banks trail leading back of the hotel stables.
- 3-25-43 Patrolled - and trail inspection - covering the Kilauea - lava tube complete. Checked and cleared telephone line from lava tube to road.
- 3-26-43 Patrolled - covering bird park section, Kipuka Ki - and fire Kipuka. Also patrolled along Chain of Craters road, old Keauhou road from lava tube to Chain of Craters road, and Napau trail to old Puulu factory.
- 3-27-43 Detailed on traffic count and did some work on fire equipment.
- 3-28-43 Office duty.
- 3-29-43 Did some work in the paint shop, and checked on all electric ranges in park residences.

Hawai Nat'l Park

-3-

3-30-43 Changed the location of some signs, painted board for sign work and took part in a fire drill.

3-31-43 At the paint shop painting signs and on office duty.

A. B. Medeiros

A. B. Medeiros,
Ranger

RECEIVED AS FOLLOWS

March 31, 1943

MEMORANDUM: For the Superintendent
Through the Chief Ranger

SUBJECT: Daily report for the Month of March, 1943

Job's which were done during the Month of March. A day was spent checking what was the cost of laboratory water over-flow, a search was made and found out that one length sewer line pipe was broken right off beneath back porch steps of K. Kim's home. We spent two days fixing up this trouble.

Also cleaning out drain at Waltjen's home, a golf ball was found plug in drain, line was cleared out with water pressher forced through drain, at that very day we also worked on Ranger Baldwin's wash basin which were also plug and was cleared out.

Working on drain board at Euanio Sr's home, and helping Ranger Medeiros put in new gate at Park stable.

Operating Roller at Old Volcano House tennies cot, and up to Mauna-Loa truck trail; about four or five days spent packing that road, wash rock was hauled from Makani-paio. On March, 10 Roller was brought to Makani-paio expecting to continue packing chark-hole's down below Peter Lee road Kai Section.

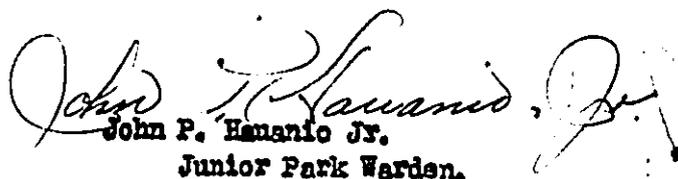
March, 15 Roller was brought in to roll Batminton cot above Old Volcano House, the following day I brought back to garage.

Working on crusher by my-self I took off the jaw's on account of jaw weared out I brought it in to be builded up with ark welder spent almost half a day to finish it, and was brought back and place in crusher again.

Waltjen and my-self spent three days placing Siren and Electric lines on new poles back of Faherlund's home down to Kauhi's. more time was spent on electric lines on pole back of kauhi's home. we also spent half day at C .C.C. taking off V8 engine from old truck at back of shop, water was pumped up to C .C.C. high tanks four hours while working on truck.

Cars which were under servicable condition;

Car. No.	781	gear shifting was fixed
" "	788	Fixing starter and greasing up.
" "	798	Polishing and greasing up.
" "	799	" " " "
" "	13	" "
March 12	Car NO. 789	spring broked and was fixed
March 29	" " "	Spring broked and Radiator water licking from bottom sides. new Radiator were put in..


John P. Euanio Jr.
Junior Park Warden.

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

April 8, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Daily report for the month of March, 1943.

March 1st to 6th - patrol work. A separate report was made and turned in to the Chief Ranger.

- Mar. 7 Attended the Hawaii Rifles drill and took the gas reading. Stood by. ~~Off-duty~~.
- Mar. 8 Worked in fire shed making washers for canteens, and did some stencil work on fire equipment. I also painted letters on the booster fire pump. *fuel can*
- Mar. 9 Continued work on fire equipment. After lunch I worked with the maintenance division hauling poles for the horse corral telephone line. Attended a staff meeting at 4:30 p.m.
- Mar.10 Worked with the maintenance boys on the telephone line at the horse corral.
- Mar.11 Day off.
- Mar. 12 Worked with the Maintenance Division preparing poles for electric line. Went on 24 hr. duty at 5:00 p.m.
- Mar.13 Worked with the maintenance Division at the wood shed. At 3:00 p.m. I took the gas reading. Went ~~for~~ 24 hr. duty at 5:00 p.m.
- Mar.14 Attended a Hawaii Rifles drill. After lunch went on control work around Kipuka Ki, Fire Kipuka and along the bird park fence line. Two goats were destroyed.
- Mar.15 Repaired one danger sign at devils throat. Took up three telephone poles from the Chain of Craters Road.
- Mar.16 Took traffic count from 8:00 a.m. to 12:30 p.m. Checked on electric poles installed by the maintenance division. At 4:30 p.m. I attended the staff meeting.

Mar. 17. Office duty.

Mar. 18. to 31st. On annual leave.



Thompson Kauhi,
Ranger

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

Received
April 6, 1943
J.H.B.

Wailuku Maui
April 3, 1943

Memorandum to Superintendent Edward G. Wingate through the office of the Chief Ranger:

The following narrative report of the Haleakala Section for the month of March 1943 is respectfully submitted;

000 General 010 Introduction

Nothing of great moment happened here this month. The Ranger in Charge was away from this section twice during the month, once on an overnight trip to Honolulu with the Navy plane and once by Army plane to Kilauea section for a few days.

020 General Weather conditions 021 In the park

Haleakala Ranger Station

Max. temp.	Thermometer broken
Min. temp.	34 degrees on the 6th
Rainfall total	4.88 inches on 16 different days
Clear days	17
Partly cloudy days	5
Cloudy days	9

One sever thunderstorm was experienced on the 18th

Haleakala Summit

Rainfall total 2.63 inches

400 Flora, fauna and natural phenomena 460 Birds

Inquiries were begun to find out if Nene were seen by any of the parents of the now living people on Maui. All of the older ranch men and some of the old Hawaiians were asked to help by making inquires.

500 Use of park facilities by the public Increase or decrease in travel (510)

Travel in the park this month was about the same as that of February.

Fog in the crater and on the mountain kept some people from coming up the mountain.

600 Protection Destruction of predatory animals(640)

Forty-six goats were killed this month.

Frank A. Hjort
Frank A. Hjort
Ranger in Charge

UNITED STATES
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April 7, 1943

MEMORANDUM for the Superintendent

Report of Hawaiian Volcano Observatory for March

A total of 71 seismic disturbances were recorded on the Kilauea seismographs while 47 were registered at Mauna Loa. Only one of these shakes was plainly perceptible at Park Headquarters. None of the quakes were of especial volcanic significance and Hawaiian volcanoes remained quiet throughout the month.

Most of the cracks in the vicinity of Halemaumau opened slightly though two showed small closures.

There was a fairly uniform tilt to the southwest.

A few landslides from the walls of Halemaumau were noted, the most conspicuous being from the southwest wall.

The following table shows some of the data obtained during the month:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
Mar. 7	Slight ENE	19	4.50
14	" WSW	21	8.00
21	" S	18	5.50
28	" WSW	10	4.25

Work of R. H. Finch

There was a distinct increase in the number of visitors desiring to see the seismograph during March. A support for the regular Hawaiian metal drum was completed in the shop and installed on March 17. ^{by Lt. Casca-Cantor} Except for instruments at Mauna Loa and Uwekahuna, all our seismographs now use one size of paper. The routine work of the Observatory was kept current. Two field trips into the Kau Desert were made during the month. Several conferences with Dr. G. A. Macdonald of the U. S.

Geological Survey were held at the Observatory prior to his return to Honolulu.

Work of Peter Malo.

The routine care of the seismographs occupied most of his time. He is developing skill in handling the various parts of the seismograph. Shop work and care of the Observatory - Naturalist building takes up most of his time not occupied by seismological routine.

R. H. Finch

R. H. Finch,
Volcanologist

10-23
(May 1929)

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

FILE NO.

MONTHLY REPORT

February 1942³

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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March 29, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of February 1943:

Introduction

On February 8 joint proclamations covering the restoration to civilian authorities of some 18 groups of civil functions that had been under military jurisdiction since the proclamation of Martial Law on December 8, 1941, were issued by the Military and Civil Governor of the Territory. Martial law is still to be in effect and the writ of habeas corpus remain suspended. The effective date of the restoration is March 10.

The Territorial legislature convened in its regular biennial session on February 17. Senator Charles Silva of the County of Hawaii introduced a joint resolution requesting and directing the Commissioner of Public Lands to acquire by purchase or condemnation the land of Kaucanos, 10,511 acres, for addition to this park as authorized by Act of Congress, June 1938. The resolution, that was reported upon favorably by the Lands Committee, was adopted by the Senate on February 27. \$15,000 was provided for the acquisition.

This is the piece of land on which Senator W. H. Hill of Hilo had secured an option and which he had endeavored to have exchanged for the valuable government waterfront land in Hilo on which the Manila Hotel, one of his enterprises, had been erected. The Act of Congress authorized acquisition of this land by exchange, purchase or condemnation and the present action in the Territorial legislature is aimed at preventing an exchange. Officials in the previous Territorial administration had been favorably inclined to such a procedure.

The small staff, now on duty in the park, continues to have difficulty in keeping up with even the most pressing work and much maintenance and repair and office work is far behind schedule. Improvement does not appear possible for some time.

General Weather Conditions

Maximum and minimum temperatures at Kilauea headquarters were respectively 75° and 37.7°. The latter was the lowest recording on

HAWAII NATIONAL PARK
HAWAII

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record for the locality. As the broken maximum thermometer at Haleakala could not readily be replaced no maximum records for the month are available. The minimum temperature at Haleakala ranger station was 35°. At Haleakala heavy frosts occurred on the 13th and 25th above the 6,000 foot and 8,000 foot levels. The frost was two inches or more in depth and lead people living in the lowlands to believe there had been a snow fall. Light frost occurred in the 29 mile area just beyond the Hilo entrance to the Kilauea section on the 26th.

Rainfall at Kilauea headquarters totaled 10.45 inches and at the Haleakala ranger station 4.31 inches. Snow fell on the summit regions of Mauna Loa and Mauna Kea on the 1st, 5th, and 24th and remained in patches until the end of the month.

There were dense fogs at Kilauea on the 4th and 26th.

Superintendent's Special Activities

With the exception of weekly trips to Olaa to attend Selective Service Board meetings the superintendent was at Kilauea headquarters throughout the month. Considerable time was given to revising the Master Plan and Project Construction Program.

Legislation Affecting or of Interest to the Park

Territorial Senator Francis Brown was in the park before the opening of the legislature to discuss a proposed bill for the protection of migratory shore birds and waterfowl and increased protection for the native forest birds.

In accordance with recommendations of the Governor and in response to local agitation a bill was introduced abolishing the present police department of the County of Hawaii and creating a police commission. By this bill the present elective office of Sheriff would be abolished and the commission given power to appoint a Chief of Police. The advocates of the bill state that it will take the police department out of politics.

Lectures, Guide Service, etc.,

Five lectures were given by the park naturalist during the month to a total of 310 persons. Four of these were outside of the park and included two at army posts, one to the Hilo Coast-eastern Club, and one at the Hualoa School.

At Haleakala two U.S.O. ranger conducted trips into the crater were made. On one trip the U.S.O. took official kodachrome movies of the hike. They are to be shown in connection with other U.S.O. activities.

For some time, in order to assist visitors at the Volcano House

HAWAII NATIONAL PARK
HAWAII

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see more of the park than otherwise would be possible with limited gasoline, the employee who changes the Mauna Loa seismograph records has been authorized to take with him any visitors who wish to go. This has worked out very well and many favorable comments have been received. Rangers and others also take stranded guests with them on trips to other sections when the visitors presence will not interfere with the work at hand.

Research and Observation

The volcanoes were inactive during February except for usual steaming. Eighty-three seismic disturbances were recorded on the Observatory seismographs and 33 on the Mauna Loa instrument. This would seem to indicate a moderate amount of seismic activity centered around Kilauea. However only one quake was strong enough to be felt. There was some opening of cracks about Halemauau and some sloughing in of loose material.

Mr. Baldwin began compilation of data on the distribution of the fern, (*Hesperanthes sandwicensis*) for a report and publication.

The park naturalist spent one week camping along the shore collecting plants and taking ecological notes in the lower areas of the park. On the trip 65 plant species were collected. He reports considerable progress with the herbarium with all identified plants to date properly filed in family and genus covers. Dr. Harold St. John, of the University of Hawaii, returned several lists of names of plants that he had determined or checked for us.

At Haleakala further study of the goat problem on the north rim showed that the goats have fed on the Mamani, (*Edwardia chrysantha*) so extensively that only bare sticks mark the former presence of the tree. This condition is also true in the Kipuka Hepe and Milina Fall sections at Kilauea.

Police Protection

Pvt. David Nakapuahi of the Kilauea Military Camp was reported to the Military Police for driving 55 m.p.h. on the highway between the park headquarters and the Camp on February 1. Miss Anna Lindsay of Kamuela was reprimanded for traveling 48 m.p.h. on the same road on February 20.

A member of the Hilo Police force and the Acting-Chief Ranger made a careful inspection of Dr. Jagger's residence and telescope house but were unable to find any evidence as to whom had broken into the buildings. Apparently nothing had been taken but we have no inventory of their contents.

Sanitation

Attempts by the Operator to secure new refuse containers or metal

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HAWAII

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to make them have been unsuccessful and the insanitary condition about the hotel refuse shed, though improved by more frequent cleanings, will remain until some solution is found.

Fire Protection

The Volcano House operator purchased new fire hose and nozzle that had been requested by this office and the equipment was installed in a hose house at the southeast end of the building.

Forest Protection

At Haleakala 81 goats were destroyed and at Kilauua 37 goats and one pig were disposed of. Rangers made an inspection of the southwestern portion of Kilauua to check on the size of the goat population. It had apparently not increased as much as had been previously thought.

Accidents

Laborer Peter Malo jabbed his finger with a screw driver and Park Guard De Mallo lacerated four fingers of his right hand operating the wood saw. Both accidents were the result of carelessness.

A minor explosion of the fuel oil furnace in the Volcano House basement burned the scalp of a hotel employee. Cause of the explosion was undetermined.

Travel

At Kilauua civilian visitors were estimated to total 12,972 and military visitors 14,040. These figures show a small decrease over the estimated totals for the same month last year. Travel for the year to date, however, shows an increase of 96%.

Miscellaneous

An editorial in the Hilo Tribune Herald called attention to a conference between Army, Navy and Civilian officials on Oahu to work out plans for repairing the extensive damage by military traffic to roads on that island and urged similar action here. On all the islands roadways have rapidly deteriorated under the heavy traffic. The concrete section of the road from Hilo to the park will probably have to be rebuilt after the war. At present its condition causes serious damage to tires.

There was a meeting of the Hamakua ranchers on this island on February 9 to urge the legislature to make available more land for grazing.

In Hilo a volunteer citizens group was formed to assist the military authorities by restringing barbed wire, clearing lines of fire etc.,

MAKAKI

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An unsavory condition in the local U. S. Engineers office was probably cleared up with the conviction in Provost Court of two employees. They were charged with presenting false claims to the government. At about the same time the officer in charge was transferred. None of our former employees now with the Engineers appear to have been involved.

The Japanese Language Schools at Papaikou on this island sold their properties and donated the proceeds to Army & Navy relief and local charity.

Edward G. Wingate,
Superintendent

Director-Ori/w 4 copies
c.c. - Regional Director
c.c. - File

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

March 4, 1943

MEMORANDUM for the Superintendent

An account of the activities of the Ranger Division for February is submitted.

Ranger Service

A substantial reduction in number of hours of overtime required of rangers was effected this month by a change in procedure in regard to our 24 hour continuous duty schedule. This was made possible by the installation of extra telephones in their homes to be connected to the Hilo line, to eliminate the necessity for having a man at the office all night.

Another change was the starting of regular patrolling. One ranger will patrol for seven days at a time. Traffic patrol, buildings inspection, night patrols, trail patrol, and a fire equipment check will all be made during a man's week of patrol duty.

Police Protection

Pvt. David Nakapuahi of K.M.C. was reported to the Military Police for driving 55 m.p.h. between the Volcano House and K.M.C. on February 1.

Miss Anna Lindsay of Kamuela was reprimanded for traveling 48 m.p.h. on the same road on February 20.

Lt. Ragsdale and the Chief Ranger inspected Dr. Jaggard's observatory building and quarters in an attempt to find out who had entered them recently. Nothing was learned.

Ranger Medeiros found that army personnel had dumped rubbish along the back road to Bird Park and requested the authorities at K.M.C. to have it removed.

Native Bird Research

The Chief Ranger started compiling records of distribution of the nene for a report to the Director and for a publication in an ornithological journal.

He also planned a field trip to Punaluu Kahawai with Mr. Martinson

of Kahuku Ranch.

Exotic Animals Destruction

Thirty seven goats and one pig were destroyed. A patrol trip was made to Kipuka Pepeiau by Ranger Kauhi and Warden Hauanio to check on goat increases. They reported only about 200 goats seen, whereas Ranger Medeiros previously had estimated 600 for the area. Fagerlund and Mitchell reported 150 goats above Keauhou and Apua.

Legislation

Senator F. I. Brown discussed proposed legislation for the protection of migratory shore birds and waterfowl. He also proposed laying a heavier fine for shooting of other native birds, ~~eg.~~ the nene and wild duck. He requested that the park service give him support for these measures.

Fire Protection

Five men from Keauhou Ranch were given fire fighting instructions on February 2. They promised to come on February 9, but failed to return. In the meantime two of them quit the ranch. It seems impracticable to expect help from this source in our fire fighting organization.

With the coming of windy weather and hot days the forest fire hazard rose during the month. The Army promised to give us men to fight fire, presumably in any fire for which they may be responsible or will threaten important government resources or installations.

Telephones were installed at Fire Caches #1 and 2 on Mauna Loa. All fire equipment was checked.

A hose house was installed at the Volcano House for their new hose and nozzle.

Maintenance of equipment and installations

Repairs and line maintenance work was performed on the Hilo entrance and Chain of Craters telephone lines and the electric line in the residential area. A new temporary phone line was installed to certain residences for use by 24-hour duty men. Additional phones were installed in the Finch, Fagerlund, Baldwin, Medeiros, Kauhi and Hauanio Jr., quarters for this purpose.

The Sandalwood trail bridge was replaced by a new foot bridge and several holes in the trail filled.

Travel

Several travel counts were taken to complete collection of data for

computing correction indexes. Indexes were computed, travel figures worked out from February back through October, and a memorandum for the Director with these figures was prepared. From now on two travel counts a month will be taken and used as a basis for monthly travel reports to the Director's office.

Two portable road signs were prepared to slow traffic approaching the Hilo Entrance checking station when counts are being made.

Accidents

Laborer Malo jabbed his finger with a screw driver. Park Guard De Mello lacerated four fingers of his right hand operating the buzz saw. Mr. Moriwaki of the Volcano House was burned on the scalp at an explosion in the Volcano House basement. No report was obtained for the latter accident.

Paul H. Baldwin

Paul H. Baldwin,
Asst. to Superintendent

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

March 1, 1943

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Daily report for the month of February - 1943

- 2/1/43 Checked on inserviceable fire extinguishers for survey and detailed on night duty.
- 2/2/43 Office duty
- 2/3/43 Office duty and did some work on a fire hose reel.
- 2/4/43 Traffic count - and did some telephone installation work on cottage #8.
- 2/5/43 Day off.
- 2/6/43 Traffic count, and office duty.
- 2/7/43 Office duty
- 2/8/43 At park horse corral shoeing park horses.
- 2/9/43 Took 3 horses to shooting location to be used by Army man and Fagerlund, to check on firing area boundary.
- 2/10/43 Day off.
- 2/11/43 Installed telephones in park residences.
- 2/12/43 Patrolling - covering the Kipuka Ki area and Ohikea section.
- 2/13/43 Did some sign work at the park shop.
- 2/14/43 Office duty, and also attended a Hawaii Rifles drill.
- 2/15/43 Repaired telephone line #11 - and destroyed one pig.
- 2/16/43 Sign work at park shop.
- 2/17/43 Patrolled - checked on the trails covering Halemaumau - steam bluff, and the sandlewood trail. I discovered a broken bridge on the sandlewood trail and installed two danger signs.
- 2/18/43 Day off.
- 2/19/43 Sign work at the park shop.
- 2/20/43 At park wood shed preparing material for new bridge on the sandlewood foot trail.
- 2/21/43 Patrolled - covering park roads, Hilo Entrance to Kau, and around the Bird Park section. I spent some time on an inspection of buildings.
- 2/22/43 Patrolled - covering the park roads, Chain of Craters and the residential section.
- 2/23/43 Worked on the sandlewood trail bridge.
- 2/24/43 Worked on the sandlewood trail bridge and also cleared the trail.
- 2/25/43 Made an inspection of buildings and spent some time with Clifford De Mello at K.M.C. for medical treatment.
- 2/26/43 Patrolled - covering Hilina pali section. During this trip it was found that the road to Hilina was in a very bad shape.
- 2/27/43 Day off.
- 2/28/43 Office duty and patrolled in the residential area.

A. B. Medeiros
A. B. Medeiros,
Ranger

UNITED STATES
DEPARTMENT OF THE INTERIOR
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HAWAII NATIONAL PARK
HAWAII

March 2, 1943

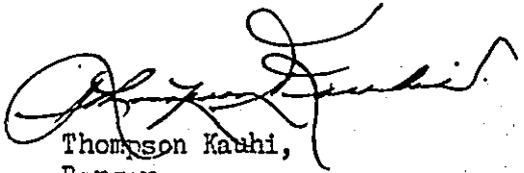
MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the Month of February 1943

- 2/1/43 Relieved Mr. Baldwin at 7:30 a.m. at the park office while he went on a trip to Kahuku ranch with Mr. Finch. I typed my monthly report and in the afternoon, checked on the fire truck.
- 2/2/43 Special Detail - Cleaned the fire shed and the sand from the entrance and ditch. P.M. Relieved the 24 hr. man for lunch. Fire instructions were given to the boys from the Keauhou Ranch. Attended a staff meeting, and went on 24 hr. duty from 6 to 6:00 p.m. February 3, 1943.
- 2/4/43 Day off.
- 2/5/43 Relieved the 24 hr. duty man for breakfast and lunch. Trimmed trees along the electric lines in the residential area.
- 2/6/43 Relieved the 24 hr. duty man for breakfast. Took the weekly consolidated reports of gasoline. Went on traffic count at Hilo Entrance from 12:30 p.m. to 5:00 p.m.
- 2/7/43 Took traffic count from 8:00 a.m. to 12:30 p.m. Relieved the 24 hr. duty man for lunch. Made telephone connections in quarters #2. Went on 24 hr. duty from 6:00 p.m. to 6:00 p.m. February 8, 1943.
- 2/9/43 Layed telephone wires along the back of the residential area and made ~~four~~ connections to quarters #8, and #9.
- 2/10/43 Telephone installation work. Went out towards the old bird park road and to the former CCC Camp and the Hilo Entrance for more telephone wire with the assistance of John Hauanio Jr.,
- 2/11/43 Day off.
- 2/12/43 a.m. At park headquarters soldering telephone line into the cable line box. Spent some ^{time} at the park carpenter shop building a stand for the telephone Bell. Returned all telephone equipment to the park warehouse. Went on emergency duty at 6:00 p.m. February 12, 1943:
- 2/13/43 To Glenwood for gas report. Replaced one bracket on telephone pole above Hilo Entrance. On Traffic Count from 12:30 p.m. to 6:00 p.m.
- 2/14/43 Took members of the Hawaii Rifles up to the Uwekahuna Museum for drill. In the afternoon I went to the Kipuka ki and Maunaiu sections on control work.
- 2/15/43 In the morning, I looked for two rifles in the storage box and for one pistol belonging to Moriaki. On office duty in the p.m. and worked on telephone. Made a trip to the garage for soldering iron.
- 2/16/43 Soldering wires on telephone box, and installed a telephone in the Mauna Loa truck trail Fire Cache. Goat control - six goats were destroyed.
- 2/17/43 Worked on a cover for the Mauna Loa truck trail telephone box. Counted old electric pole needs, replacing them with new ones. (Ranger meeting

in the afternoon).

- 2/18/43 Checked the park houses for government tools, etc., unsigned for. Took telephone covers back to Mauna Loa truck trail Fire Cache. On the way up, two goats were destroyed.
- 2/19/43 Day off.
- 2/20/43 Replaced faucet on tank at the end of the Mauna Loa Truck Trail. Filled a hole on the Halemauau trail, below the Volcano House. Five goats were destroyed.
- 2/21/43 At park horse corral shoeing horses and one mule. Gas reports taken and 24 hr. duty. Took horses and mule to the half-way house.
- 2/23/43 Made a trip to Kipuka Pepeiau. A separate report was made on this trip and turned in to the Chief Ranger. Returned on the 25th and went ~~4~~ on 24 hr. duty at 5:00 p.m. until 5:00 p.m. February 26, 1943.
- 2/27/43 Took gas reading reports. Worked on map at headquarters.
- 2/28/43 Patrolled - Mamalahoa highway from the Hilo Entrance as far as Namakani-paio. An inspection was made around the Bird Park area and the Mauna Loa truck trail - thence to the Uwekahuna Museum. Returned to headquarters at 5:00 p.m.


Thompson Kashi,
Ranger

February, 28, 1943

MEMORANDUM: For the Superintendent
Through the Chief Ranger

SUBJECT: Daily report for the Month of February, 1943

Maintenance's Division

During the early part of the month, part of a day was spent at Uwekahuna taking off broken window and door from feed room, and replacing new ones on again; also checking and servicing Kohler plan in garage at Park Office, changing oil and greasing up car no. 785.

February 17, Tractor was taken to Makani Paio for rock crushing two days was spent crushing rock for road work; Feb. 19 Tractor was brought back and serviced up. also operated Roller patching char-holes on high-way.

A trip was made to Hilo picking up tool-box which were sent from other Nati Park; then to Hilo Telephone System, turning in monthly reports, and doing some shopping in town.

Ranger's division

A patrol trip was made by my-self and Ranger Medeiros beyond Aloi Crater checking and fixing telephone post's; during patrol One pig was destroyed.

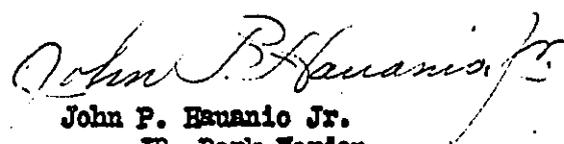
Office duty and helping Ranger Baldwin work on emergency telephone's Two days was spent helping Ranger Kauhi installing telephone lines from Fagerlund's down to Kauhi's home; also gathering wires from C.C.C. bag ball fill and at Hilo Entrances horse-trail. a day was spent putting in telephone and lines in my home.

Spent a day with Ranger Kauhi shoeing horses at Park Corral, and the following day we took them to Half-Way-House, ready to make a tour the next day.

February 23, Ranger kauhi and my-self made a Patrol trip starting from half-way-house along Park boundary line down to Pepeiao shelter, we got to shelter about 2:00 p.m. noon. we spent about an hour for lunch, then got on our horses again, making a trip a trip starting from shelter towards the N.E. side and down along Kukalaula Pali and return to shelter again. 7 goats was destroyed that noon.

The following day we made another Trip on the upper section of Pepeiao shelter; heading towards Kamakaia Pali; no-goats were seen around that section then cutting around on sand and sand heading towards Kukalaula Pali, till we finally got to trail leading to Hilina and Pepeiao, few goats were seen around that area; we cut across trail going along Pali. after passing Ohia forest quite a number of goats were seen grazing below Kukalaula Pali, around that section we shot 19 goats couple of them were shot but kept on running. We got back to shelter about 4:30 p.m. noon.

February 25, we left Pepeiao and head for home along Kamakaia Trail.


John P. Huanio Jr.
JR. Park Warden

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

*Received
Mar. 3, 1943
P.H.B.*

Wailuku Maui
Feb. 1, 1943

Memorandum to the Superintendent Edward G. Wingate through the office of Acting Chief Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of February 1943 is respectfully submitted;

000 General 010 Introduction

After having been closed since Dec. 7, 1941 the Haleakala Section of Hawaii National Park was opened on Feb. 1st. Permission to open the park was obtained from the commanding General of the Maui district.

The Maui News of February 3rd carried an announcement of the opening as issued from Superintendent Edward G. Wingate's office.

Many people of Maui have expressed their appreciation of the opening to the rangers here. Although gas and tire rationing put a decided curb on visitors, careful planning and sharing of cars has allowed many to once again enter their park.

020 General weather conditions 021 In the park

The weather has been rather cold at the Ranger Station this month.

On the 13th and 25th several inquiries were made by phone by people below as to whether the white blanket at the summit was or was not snow. It so happened on both these dates that an unusual amount of frost covered the mountain above 8000 ft. to a depth, in some places, of two inches. The frost on the 13th extended to well below the 6000 ft. level.

Haleakala Ranger Station:

Max. temp.	Thermometer broken
Min. Temp.	35 degrees on the 13th
Rainfall total	4.31 inches on 8 different days.
Clear days	12
Partly Cloud Days	8
Cloud Days	8
Frost	6 days.

Haleakala Summit:

Rainfall total	3.42 inches
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300 Activities of other agencies in the Park 320 Cooperating government agencies

The U.S.E.D. is constructing a road from Red Hill to Kolekole to serve some more Army Signal Corps installations that are going in on Kolekole. A small concrete structure is being erected there .

The park boundary runs about midway between Red Hill and Kolekole so the only disturbance to the park itself is the section of road through the cinders out from Red Hill to the boundary.

400 Flora, fauna and natural phenomena . 410 Ranger guide service

Two U.S.O. trips were made this month. The one on Wednesday the 10th included about 150 men from the services. On this trip official movies of the entire trip were made in Kodachrome by the U.S.O. service here on Maui.

470 Animals

A further study of the goat situation on the north rim of the crater revealed the fact that the goats on the outside slope of the north rim both within the park boundary and below it have eaten the Mamahi so badly that only bare sticks mark the former presence of the shrub.

On a recent trip to Puu Alaea and the unnamed cinder cone west of it about ten wild pigs and much evidence of their activities were seen. Since the war the Territorial men have not been able to hunt pigs as before so they have increased steadily. No serious damage to native vegetations was seen to have been caused by the pigs of this area.

500 Use of Park facilities by the public 510 Increase or decrease in travel

Army and Navy travel in the park this month was slightly below that of January. About 125 civilians took advantage of the opening, but of course this figure is far below peace time figures.

540 Public Camps

One thing that the war has done is to increase the number of campers in the crater. People are turning to the Crater for their vacations.

Seven different parties stayed overnight or longer in the crater cabins this month. Among those were former Ranger in Charge, Captain Howard Powers. On another trip U.S.N. Lieutenant William Lenard, Navy flier was present. Lieutenant Lenard has been twice awarded the Navy Cross for bravery in action in the Solomons and elsewhere.

600 Protection 640 Destruction of predatory animals

81 goats were killed in the crater this month.

Frank A. Hjort
Frank A. Hjort
Ranger in Charge

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

March 8, 1943

MEMORANDUM for the Superintendent

Report of Hawaiian Volcano Observatory for February

Kilauea and Mauna Loa were inactive during February. 83 seismic disturbances were recorded at Kilauea and 33 at Mauna Loa. But one of the shakes was perceptible at Park Headquarters.

Cracks in the vicinity of the tourist observation place on the rim of Halemauau opened slightly during the month and more of the loose fill over the cracks fell in.

Tilting of the ground was slight to the WSW or about normal for this season of the year.

On the 26th of February a minimum temperature of 37.7° was recorded. This appears to be the lowest in the records of the Observatory. Despite the low temperature only light local frost formed at 29 miles. In January, 1924, heavy frost formed at 29 miles and only 1/4 mile down the road toward Hilo with a minimum temperature of 45° at the Observatory. It would appear that the new location of the instrument shelter, which was occupied in 1941, a little lower than the old one and more remote from steam cracks will consistently give lower minimum temperatures on nights with but little or no wind.

Some of the local data obtained during the month is shown in the following table:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
February 7	Mod. NE	11	4.50
14	Slight SW	30	7.75
21	Mod. WNW	24	6.50
28	Mod. SSW	28	7.25

Work of R. H. Finch

Measurement of seismograms as well as the computing and plotting of tilt and seismicity was kept current. Two half days of each month are taken in

measuring cracks at Halemaumau and along the Chain of Crater Road and rainfall at Halemaumau. One field ^{trip} was made in the Kau Desert. A manuscript entitled, Seismic Prelude to the 1942 Eruption of Mauna Loa was prepared and sent to the Chicago Office.

Work of Peter Malo

The routine care of seismographs took up a large portion of each day. Some work was done on the Mauna Loa truck trail on days when he did not have visitors along. From time to time he does janitor work at the Observatory.

R.H.F.

R. H. Finch

10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HAWAII NATIONAL PARK

FILE NO.

MONTHLY REPORT

January 1943

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.

March 1, 1943

MEMORANDUM for the Director:

There follows the report of activities for Hawaii National Park for the month of January 1943:

Introduction.

The continued and increased number of entries into the park by various military units on various missions without notification to this office and which we had been watching for the past few months became of such concern that steps were taken to reach some better understanding. After a number of conferences with unsatisfactory results a tentative agreement for the use of a certain area in the Kilauea section by the military was reached. This was referred to the Director for approval.

Word was received from the Ranger-in-Charge that the District Commander, Maui District had given approval to the reopening of the Haleakala Section to public use February 1, under certain mild restrictions. We had not expected to open this Section until after the war.

The Executive Order setting the basic work week at 40 hours and directing the observance of a 48 hour week, with overtime compensation provided, in effect materially reduced the hours of duty for the staff here. It also necessitated, because of lack of personnel, a revision of the operating program that this office believes has weakened the protection of the park. We are trying out a new system of patrols and duty assignments that we hope will suffice but seriously doubt that adequate protection is now being given.

General Weather Conditions

Maximum and minimum temperatures for the Kilauea headquarters and the Haleakala ranger station were respectively 75° and 42° and 63° and 34°. A broken thermometer prevented complete maximum recordings for the month. Precipitation at these same two stations totaled 16.62" and 11.67". Light snows fell on Mauna Kea and Mauna Loa on the 13th and 14th and on the 17, during an electrical storm, snow fell on Mauna Loa as far down as the 9,700 foot level. It remained visible in patches until the end of the month.

From Haleakala the Ranger-in-charge reports that it rained almost every day from the 1st to the 18th and at the summit there were several snow storms but the snow melted almost immediately. During these rain and snow storms a

severe icing occurred that on one occasion when followed by a high wind, wrecked most of the power line above 9,000 feet. Steel cross arms were bent, insulators broken and some poles broken or pulled over. On the 15th the temperature at the ranger station never rose above 45°. Frost was reported on two days at the ranger station.

Superintendents Special Activities

On the 8th an inspection was made of the Hilina Pali road, the lower in-completed section of which had become impossible except for heavy trucks due to heavy rains and insufficient maintenance. Kipuka Puauulu was inspected following a storm on the 18th that had been accompanied by high winds. He was in Hilo on the 25th to confer with army officials relative to use of a portion of the park. The usual weekly meetings of the Selective Service Local Board were attended and he made numerous routine inspections of the headquarters area both day and night to assist the rangers in checking on the many reported house-breakings.

Cooperating Government Agencies

At Haleakala the Navy officials authorized the Ranger-in-Charge to take as much wood as he could handle from the clearing of a construction site and the Army turned over 6 mules, formerly belonging to the CCC, for which no other government agency had use.

With the approval of the superintendent an officer from the Territorial Board of Health made an inspection of the Volcano House premises. Several useful suggestions were made and are being carried out.

Plans were announced by the army for the formation of a unit of American citizens of Japanese ancestry. Some 1,500 volunteers are needed from the islands. It is expected that far more than the number needed will volunteer. Some adverse criticism of this move was voiced in the press that seemed to express the opinion of many people here that these citizens should be treated like all others, neither better nor worse.

Lectures, Guide Service, etc.

At Kilauea 5 lectures, 3 in the park and 2 outside, were given to a total of 210 persons. Special attention was given to various groups of persons at the Volcano House by different staff members.

Four overnight trips into Haleakala conducted by the Ranger-in-Charge, for groups of army men were made during the month. One day trip in connection with the U.S.O. was made with about a hundred soldiers and sailors in attendance. One trip had to be cancelled because of rain.

Research and Observation

From Haleakala it is reported that the Chinese pheasants are increasing

noticeably and there are many complaints from the farmers in the Kula region about these birds damaging the crops. These birds brought into the islands by various persons years ago were propagated at the Bird Farm operated by the Board of Agriculture and Forestry and released in considerable numbers on the several islands. Valley Quail were also seen for the first time in over a year above 9,000 feet. The quail appear to have either left the park or are decreasing in numbers as very few are ever seen.

Ranger Hjort has been gathering some interesting data on the habits of the goats at Haleakala that we hope will prove valuable in controlling these pests in that section. The following is quoted from his report:

"It has been noticed several times during the last three years that large numbers of goats appear and disappear on the ridge running east from Hanakauhi Summit. A thorough check up on the matter in the form of several foot trips solved this migration problem. It appears that during certain times each year the goats on the east slopes of Kuiki peak go in a body across the ridge that separates Paliku from Kipahula Valley and then scatter out along the north rim of the crater from Kaluanui to Hanakauhi peaks. Then at certain other times they evidently reverse this procedure and go back to Kuiki.

Five hundred goats were counted one day this winter on the North rim of the crater from Kaluanui to Hanakauhi points. Immediately a foot trip was taken up Kuiki and a search made for goats. Although an entire day was spent in hunting in the vicinity of this peak only one small bunch of about a dozen goats were seen far down on the east wall of Kaupo Gap.

Another time a large herd of goats were seen on the slopes of Kuiki and another foot trip made up it. The east slopes of the peak were literally covered with goats. By working back along the ridge east and above Paliku to Kaluanui it was learned that all tracks were going from Kaluanui to Kuiki. A trip that same day along the ridge from Kaluanui to Hanakauhi netted less than fifty goats seen.

The significance of this story is that we are now able to trap these goats with a quite easily constructed fence trap. The posts and wire for this trap have been packed to a point as close as is possible to the site and there await passage across a wire stretched across a deep canyon and from there on up to the summit of the ridge where the goats run."

The park naturalist reports some 300 plant specimens were mounted most of which could be identified here. Others were sent to the Bishop Museum in Honolulu for identification. Before long the herbarium will be in an orderly, accurate and quite complete collection of the plants in the park.

The volcanoes remained quiet during the month though 87 seismic disturbances were recorded. Of these only 2 were strong enough to be felt. Both were of Mauna Loa origin and the one on the 17th was strong enough to dis-mantle the Mauna Loa seismograph.

During the first week of the month heavy rains caused conspicuous steam

clouds over the 1942 flow area giving rise to rumors that the volcano was again in eruption.

One landslide at Halemaumau on the 26th raised a sizeable dust cloud and there was one unobserved slide from the Kilauea crater wall. There was a slight opening of most of the rim cracks about Halemaumau and a few of those in the Chain-of-Craters region showed slight opening.

Ranger Service

The force at Kilauea was kept unusually busy investigating cases of infractions of rules and regulations throughout the month. Some of those cases may be attributed to the increasing juvenile delinquency that is the cause of much concern in Hilo. There police and school authorities are working to cure the truancy problem.

Police protection

The theft at the Volcano House reported last month remains unsolved but the night-boy, Kadoshi Sakai, who had been found bootlegging liquor, stolen from the hotel, was fined \$50. on each of 4 counts and \$100. on a fifth. In addition he was sentenced to serve a month at hard labor on each count.

A junior officer in the Air Corps was apprehended by the superintendent for breaking into a vacant employees quarter's. His case was referred to his commanding officer for discipline.

The Hilo police were of great assistance in apprehending a local juvenile who had broken into one of the government buildings through a window. He was traced through his fingerprints. This same boy was one of those who forced entry into Doctor Jaggard's house last year. Almost all vacant buildings in the headquarters area have been broken into during the last few months.

Two drivers were reprimanded for speeding in the park.

At Haleakala, Cp'l J. H. Gross of the 745 Military Police was arrested for hunting in the park and for destruction of government property when he shot several holes in one of the enameled signs. On the same day Pvt. Charles Pentzer of the same outfit was arrested for hunting in the park. The Provost Judge fined Gross \$20. and Pentzer \$10.

In his report for the month the Acting Chief Ranger states, "It was a poor start for 1943 and indicates that there can be no further elimination of police protection personnel if property rights are to be properly safeguarded and laws enforced."

Forest Protection

At Kilauea 5 goats and 2 pigs were destroyed and at Haleakala 55 goats

were killed.

Fire Protection

Fire protection training was continued and the regular quarterly inspection of fire hazards made.

Two fairly serious fires occurred outside of the park at Pahala where there was a fire at the plantation mill and on the same day, January 19, fire destroyed buildings formerly used as a Japanese language school. Fire equipment had to be brought from as far away as Hilo, 50 miles distant, as the plantation had provided none.

Park Operators

The Volcano House continues to do an excellent business. For the six months beginning July 1, when civilian use began again there were a total of 1,354 registered guests of whom very few stayed less than three days.

Miscellaneous

The Inter-Island Airways announced on January 14 that new reduced rates for passengers and freight had been approved by the Civil Aeronautics Board effective February 1.

An important report, on the needs and problems of youth, was made by a committee of citizens formed under the guidance of the Y.M.C.A. Among other things the report pointed out that lack of understanding of the American way of life and the generally pitiful knowledge of the English language was in a great measure due to lack of such understanding and ability among the grade and high school teachers in the territory. The report evoked much discussion and though the findings are sound it remains to be seen what the community can do in the face of the politically minded and unified teachers group. In this connection the Junior Chamber of Commerce has for some time been sponsoring a Speak American Campaign.

The newspapers gave some publicity to a pamphlet that was being distributed in Honolulu entitled "Should the Japanese be Allowed to Dominate Hawaii." It is a series of letters between one John A. Balck and army and Navy officials and civilians here and on the mainland. It urged the permanent removal of some 100,000 of these people from the islands and replacing them with Puerto Ricans and Filipinos.

Because of rumors that there was to be a whole-sale evacuation of Japanese from Hawaii it was necessary for General Emmons, the Military Governor, to issue a statement that this was not planned and only undesirable and non-essential persons are being evacuated.

The staff here was happy to learn of the deserved award of the

Distinguished Service Oak Leaf Cluster to Major General R. Mc. Pennell for his outstanding work while here in Hawaii.

Honolulu papers reported the heaviest rain in 7 years fell in Honolulu early in the month with buildings flooded and damages running to several thousands of dollars.

Mr. D. Howard Hitchcock, noted island artist, who made many of the finest paintings of the Hawaiian volcanoes died at the age of 81 on January 31.

The U. S. Engineers cancelled the agreement with the County of Hawaii by which it had taken over all maintenance of County roads and began returning men and equipment.

Edward G. Wingate,
Superintendent

c.c. - Region IV

*Added
in Monthly Report File
EJW*

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

February 11, 1943

MEMORANDUM for the Superintendent:

An account of the activities of the Ranger Division during January 1943 is submitted.

General ranger protection work

The ranger division was kept busy investigating cases of infraction of laws and regulations throughout the month. Advances were made in civilian protection arrangements. Forest patrols were made, equipment cared for, travel counts taken, and traffic patrols made.

Police Protection

During the entire month one case after another of breaking into houses, theft, bootlegging, or speeding came up. It was a poor start for 1943 and indicates that there can be no further elimination of police protection personnel if property rights are to be properly safeguarded and laws enforced. As soon as the 24 hour night duty is dropped it is planned to start a system of regular patrolling during both night and day.

The cooperation of the Hilo Police Department was asked for through the Provost Marshall in questioning persons and obtaining finger prints. Matters of concern were:

1. Theft of watch and wallet at Volcano House.
2. Entry of park buildings and breaking of windows by juveniles. (Investigation continuing).
3. Bootlegging by Volcano House employee.
4. Entry of park buildings by a Lieutenant of the army air force.
5. Speeding by car drivers on park roads. (Two drivers were reprimanded for first offense).

Signs prohibiting horseback riding on park roads were put at several places along the roads.

Forest Protection

Patrols were made along the park boundary in the Chain of Craters area and Ohaikea. Kipuka Ki, Kipuka Maunaiu, and Fire Kipuka were also

visited.

Five goats and two pigs were destroyed.

Grazing

The figures for stock in pasture were submitted to the Director.

Inspections were made along the old park boundary between Kipuka Ki and Kapapala for trespass of cattle in Kipuka Ki. Cattle were finally removed from Kipuka Ki and construction of a fence started by Kapapala Ranch laborers.

Fire Protection & Sanitation

The regular quarterly fire inspection was made during January. The Fire Atlas for 1942 was completed and sent to the Director.

The communication from the Territorial Board of Health concerning sanitation improvements at the Volcano House was studied and discussed by the Rangers. This building was subsequently inspected several times, and it was found that kitchen screens were still being opened, indicating that the enforcement problem is still with us.

Civilian Defense Activities

The park evacuation centers were visited, and food and fuel were stored at the most inaccessible place, while fuel and food lockers were taken to the less remote sites.

The FCC siren was repaired, housed in a new kiosk, and replaced in a better position on the roof than it formerly occupied.

this job not yet completed 1/4/42

Efforts were made to start giving the Keauhou Ranch personnel fire training, but we did not succeed during January.

Travel

Two travel counts were taken during January, and a method of computing correction indexes was worked out. The figures for January and December will not be available until we have finished the February counts and then worked out a correlation between travel counts and Volcano House guest records. Based on the five counts made so far, the duplication index for all civilian cars is 0.73, meaning that approximately one car in four counted is a duplicate. The average number of persons per car in all civilian cars now stands at 3.16 persons per car.

The counts will give us a basis for computing official military use of the park, but they will not furnish information on use of the park for recreation and pleasure by members of the armed services.

Paul H. Baldwin
Paul H. Baldwin,
Acting Chief Ranger

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

February 1, 1943

MEMORANDUM to the Superintendent:
(Through the Chief Ranger)

Subject: Daily report for the month of January, 1943

- 1/1/43 Detailed on office duty and did some sign work at the park shop.
1/2/43 Off duty.
1/3/43 Office duty.
1/4/43 Sign painting at paint shop
1/5/43 Supplied the evacuation centers with food lockers, coal and food.
1/6/43 Installed signs around the park area and detailed on 24 hr. night duty.
1/7/43 A quarterly fire inspection trip was made to the end of the Mauna Loa truck trail to check on suspected hunting parties. Detailed on night duty.
1/8/43 Detailed on office duty.
1/9/43 Office duty and made a quarterly fire inspection.
1/10/43 Off duty.
1/11/43 Quarterly fire inspection.
1/12/43 At park office making reports on quarterly fire inspection, and detailed on night duty.
1/13/43 Office duty.
1/14/43 Made a trip to the 29-mile area and Glenwood, distributing copies of Military orders.
1/15/43 At park office making reports of stock and grazing.
1/16/43 Day off.
1/17/43 Office duty - a.m. - and detailed on night duty.
1/18/43 Office duty - and made an inspection on the leased cottages.
1/19/43 Made a fence line inspection covering the 6 tanks area to the old stone wall, south end, toward the Peter Lee road. This fence is a boundary line fence of the Kapapala leased land and the park.
1/20/43 On office duty, and made a check on a missing telescope, around the park warehouse and the observatory building.
1/21/43 Day off.
1/22/43 Spent some time hauling away fire hazards from the C.C.C. and installed a pyrene fire extinguisher in the basement of the Observatory building. Detailed on night guard duty.
1/23/43 Office duty.
1/24/43 Patrolled, covering park headquarters along highway to Hilo entrance and around the 29 mile area.

1/25/43 Detailed on traffic count at Hilo entrance.
1/26/43 Patrolled, covering chain of craters road, turned off from Alealea crater to Lane and Park boundary line, thence along the fence line to gate on Kalapa trail. Returned by way of Makaopuhi, accompanied by park warden Hauanio Jr.,
1/27/43 Patrolled, covering Ohikea - Kipuka Ki - and fire Kipuka sections. Repaired telephone line between old prison camp and Kipuka Ki. Detailed on night guard duty.
1/28/43 Detailed on night guard duty.
1/29/43 Day off.
1/30/43 Office work and and repaired gun rods.
1/31/43 Office work and traffic count.

Antone B. Medeiros
Antone B. Medeiros,
Ranger

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

February 1, 1943.

MEMORANDUM for the Superintendent
(Through the Chief Ranger)

Subject: Report for the month of January, 1943

Forest protection

A trip was made to Kipuka Ki on January 26 covering the lower section checking on fence line and goat control work. There were no goats seen in this area. Also made a trip to Maunaiu, checking on fence line between Park and Kapapala ranch.

Fire protection

A quarterly fire inspection was made checking on all extinguishers of different types within park area. In this work a separate report was made and turned in to the Chief Ranger.

Police work

A check on speeders and alien traveling permit was made during the month. Where few were caught speeding, within park area on highway. But was halted and warned to observe speed limit signs.

Firearms

A check on stored guns was made at the Observatory building, also looked for missing revolver belonging to J. Enos. Gun locker at park headquarters were also inspected and records for firearms was made and turned in to Chief Ranger.

Routine

Switchboard, flag, and 24 hr. duty were performed and Hawaii Rifles drill attended. Gasoline reports were made.

Wildlife

For the month of January, 3 goats were destroyed.


Thompson Kauhi,
Ranger.

January 31, 1943

MEMORANDUM: For the Suprintendent
Through the Chief Ranger

SUBJECT: Daily Report for the Month of January, 1943

During the Month of January, Formen Waltjen and my-self made a search for road drag, covering the G.C.C. Camp area, the Army Camp, Halemauama, and the Residencial area, for the purpose of Hilina Pali road work, but location of drag was not found.

Few day's after the search for road drag, equipment's which were installed in the G.C.C. bomb shelter's were brought up to Park ware-house; 8 Army cot's 4 or 5 blanket's, 2 lanterns, 3 crow bars, and 2 showels were found in shelter's.

On January the 3th Formen Waltjen had a day off, and water pumping was under my controll; water was pumped up to Volcano House high tank's from 7:00 a.m. to 6:45 p.m. Fire pump drain pipe was broken, and I helped Formen Waltjen to soda it on again; the purpose of broken pipe was from stepping on it during gas filling time.

F.C.C. Siren were inspected, and checked; trouble was found that she needing oil and a little over-hauling and was brough back again. Changing oil of car No.13 and No.790 and also spending more time welding broken fender's on car No.790 and No.789.

The upper section horse corall fence line was taken cared by my-self and 4 labroer's; few posts was needed and were put in. At that same day, inspection was made along the North-East side of fence line; posts is all in good condition.

Riding and pack saddles also bridles, were oil and was brough back to horse stable. New water troff needed for horses used at Park corall; was made and took up to take place of old troff.

Rifles which were installed at the Observatory, were inspected and few were brough to the Park Office, which were belonged to some of the Park Members.

January 26, Ranger Medeiros and my-self made a patroll trip South of Alealea Crater along fence line; One tree was found resting on fence; we spende few minutes cutting it off. Two pigs were killed during time of patroll.

January 29, 3000 gal's of water was hauled up to horse corall by my-self. 24 hours night duty, flag, Siren, mails, was taken care off. and Hawaii Rifles was also attended.

John P. Hawaiian, Jr.
John P. Hawaiian Jr.

Junior Park Warden

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

February 10, 1943

MEMORANDUM to the Superintendent:

Subject: Report of the Hawaiian Volcano Observatory for January

Heavy rains during the first week of the month caused conspicuous steam clouds over the 1942 lava flow from Mauna Loa. These clouds started rumors that Mauna Loa was in eruption.

The heavy rains of January 2 - 3 produced a pronounced reddening of the walls of Halemaumau. Of the 87 seismic disturbances recorded at Kilauea only two were strong enough to be felt locally. The first and stronger of the two occurred at 3:08 p.m. January 17. It dismantled the Mauna Loa seismograph. The second occurred at 3:48 p.m. January 19. Both originated on the NE rift of Mauna Loa.

A landslide at Halemaumau raised a conspicuous dust cloud at 1:45 p.m. January 26. There was an unobserved landslide from the SW wall of Kilauea.

Tilting of the ground during the month was slight to the SSW or about normal for the season of the year. At the last of the month, however, tilting was to the NE.

The majority of the cracks around Halemaumau opened slightly during the month. A few of the cracks along the Chain of Craters Road and at Devil's Throat also opened slightly.

The following table shows some of the data obtained during the month:

<u>Week ended</u>	<u>Tilt</u>	<u>Seismic disturbances</u>	<u>Seismicity</u>
Jan 3	Very slight SE	10	2.75
10	slight SSW	6	1.75
17	" S	14	6.25
24	" SSW	40	12.50
31	" SSE	17	3.75

Work of R. H. Finch

The manuscript for the July - September 1942 Volcano Letter was prepared and sent to the printer. Seismological routine, as usual, took up a considerable portion of each day. A half day was spent in the field to visit the steaming area east of Pit Craters. On January 15 I gave a talk at the Hilo Rotary Club. One day was spent in Hilo attending the Hilo seismograph.

Work of Peter Malo

The routine care of seismographs took up a large portion of each day. Making parts for and helping in repairs to seismographs accounted for a considerable portion of his time.

R. H. Finch
R. H. Finch,
Volcanologist

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

Received
2/7/43
PAB

Wailuku Maui
Feb. 3, 1943

Memorandum to Superintendent Edward G. Wingate through office of Acting Chief
Ranger Paul H. Baldwin:

The following narrative report of the Haleakala Section for the month of January
is respectfully submitted;

000 General 010 Introduction

The weather has been in the lime light this month. It rained almost every day
from the first to the eighteenth. It snowed on the summit several times but never
stuck to the ground at any time.

A sever icing condition at the summit during the storm caused the Army power lines
to become encrusted with as much as two inches of ice. This condition followed
by a strong wind wrecked most of the line above 9000 ft. Many of the steel cross
arms on the poles were bent, most of the insulators were broken and some of the
poles were either broken or pulled over.

On the fifteenth at the Ranger station the temperature never rose above forty-
five degrees.

020 General weather conditions 021 In the park

Haleakala Ranger Station:

Max. Temp.	63 degrees on the 11th. *
Min. Temp.	34 degrees on the 15th.
Rainfall total	11.67 inches on 15 different days
Clear days	14
Partly cloudy days	3
Cloudy days	14

*Note Max. thermometer broke so max temp. record is not complete.

Haleakala Summit:

Rainfall total 9.42 inches.

100 Administration 140 Labor situation

Joseph Rodrigues, laborer for this section, left this month to take up work
with the Navy contractors. Nearly all the non war organizations on this
island are experiencing difficulty in holding labor due to the high wages
being paid by the different contractors.

150 Equipment and supplies

Six more mules were turned over to this section of the park by the quartermaster corps of the Army this month. This completes the transaction and gives us all the mules that formerly belonged to the C.C.C. except two that died while at the Harold Rice Ranch.

300 Activities of other agencies in the park 350 Donations and accessions

The Navy gave us permission to take all the keawe wood we needed from the site of the new air base going in between Paia and Kahului. Haleakala Ranch offered the use of their buss saw if we could furnish our own gasoline. We took advantage of the above offers and have one truck load of wood sawed into the proper lengths and two more truck loads waiting to be sawed at Haleakala Ranch.

400 Flora, fauna and natural phenomena 410 Ranger guide service

Four overnight trips were made into the crater this month with members of the armed forces. One, one day trip was made in connection with the U.S.O. on Wed. the 27th. About one hundred sailors and soldiers made this trip. The Wed. the 13th trip was called off on account of rain.

460 Birds

Chinese Pheasants are increasing quite noticeably. In the farming sections, especially Kula, these birds are causing serious damage to the truck garden crops according to the farmers.

For the first time in over a year Valley Quail were seen above 9000 ft. The Quail have either left the park or are actually on the decrease as very few are ever seen. //

500 Use of the park facilities by the public 520 Conditions affecting travel

Bad weather kept most Army and Navy men from visiting the park this month.

600 Protection 610 Police protection

Two arrests were made this month. On the 21st Corporal John H. Gross of the 745 Military Police was arrested for hunting in the park and for destruction of park property when he shot five holes in the Bubble Cave enameled sign.

Private Charles Pentzer of the same outfit and on the same day was arrested for hunting in the park.

Both soldiers were brought before Judge Advocate, Major Shaver. Gross was fined twenty dollars and Pentzer drew a ten dollar fine.

640 Destruction of predatory animals

Fifty-five goats were killed this month.

640 Continued

It has been noticed several times during the last three years that large numbers of goats appear and disappear on the ridge running east from Hanakauhi Summit. A thorough check up on the matter in the form of several foot trips solved this migration problem. It appears that during certain times each year the goats on the east slopes of Kuiki peak go in a body across the ridge that separates Paliku from Kipahula Valley and then scatter out along the north rim of the crater from Kaluanui to Hanakauhi peaks. Then at certain other times they evidently reverse this procedure and go back to Kuiki.

Five hundred goats were counted one day this winter on the North rim of the crater from Kaluanui to Hanakauhi points. Immediately a foot trip was taken up Kuiki and a search made for goats. Although an entire day was spent in hunting in the vicinity of this peak only one small bunch of about a dozen goats were seen far down on the east wall of Kaupo Gap.

Another time a large herd of goats were seen on the slopes of Kuiki and another foot trip made up it. The east slopes of the peak were literally covered with goats. By working back along the ridge east and above Paliku to Kaluanui it was learned that all tracks were going from Kaluanui to Kuiki. A trip that same day along the ridge from Kaluanui to Hanakauhi netted less than fifty goats seen.

The significance of this story is that we are now able to trap these goats with a quite easily constructed fence trap. The posts and wire for this trap have been packed to a point as close as is possible to the site and there await passage across a wire stretched across a deep canyon and from there on up to the summit of the ridge were the goats run. //

