

Direct Air Route To Australia Held Necessary

Island Survey Work Finished, Itasca Returns

Data Available to Any Company Planning Service

While the proposed airway route between Honolulu and Australia will be at first via New Zealand after stops at Pago Pago and Suva, a direct route from Suva to Brisbane, Australia, will be demanded by Australians to speed their mail service, in the opinion of William Miller of the bureau of air navigation, department of commerce, who returned from the U. S. Coast Guard Cutter Itasca yesterday after a two month expedition to South Sea islands.

A group of Kamehameha youths, who were collecting aerial data and weather information on Jarvis, Baker and Howland Islands, also returned on the Itasca. There were 21 in the party.

Miller said that his department has completed its work and "any American always company interested in such a service can now proceed."

DATA COLLECTED
The youths who returned on the Itasca have been collecting data on the tiny islands for the past year. The original copy of their reports will be placed on file at the local U. S. weather bureau and will be available to any South Sea expedition, Miller said. Copies have also been sent to Washington where they will be available at the bureau of air navigation, department of commerce. Miller's personal report will also be sent to Washington and a statement from the department may be expected within the next few days, he said, relative to the air route to Australia.

Added if there would be a landing between here and Samoa, Miller said that the choice would undoubtedly lie between Palmyra island and Kingman's Reef, which is not far from there. They are roughly a thousand miles south of Honolulu.

ENTRANCE LACKING
"If Palmyra is chosen for a depot," he said, "it will be necessary to blast an entrance into the lagoon and also to deepen the lagoon itself for supply ships. Better landing facilities provide at Kingman's Reef but this is a barren atoll and will require considerable improvement before it can be inhabited. A radio station, supply depot and hotel will have to be erected at either of these spots."

"The next step on the route should be at Pago Pago, which has a well-protected harbor. We visited there for a month this trip and during that time I took occasion to visit Apia in British Samoa, on the USS Lark.

"Apia harbor is not well-protected and is not available to large ships. I would not recommend it as an air depot."

"Suva, Fiji, would be the next stop and from there to Auckland, N. Z., to connect with a British line to Sydney, although the direct route to Australia is from Suva to Brisbane over the same route followed by the late Kingsford-Smith."

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Kam Youths Return From South Seas Expedition



GATHERED AERO AND WEATHER DATA FOR GOVERNMENT—The USCG Itasca returned from a two month cruise through the South Seas and brought home these 21 Kamehameha youths who for the past year have been collecting aeronautical data and weather information for the U. S. department of commerce, bureau of air navigation, as well as specimens for the Bishop museum. All were in excellent health and spirits and declared they had thoroughly enjoyed the expedition. (Advertiser Photo)

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Smith. While Australian laws at present prevent operation of foreign airplane companies into that country, I believe that eventually pressure will be brought to bear by residents themselves for a direct service instead of the round-about route across New Zealand."

MADE OBSERVATIONS
Among those who made the expedition on the Itasca was Lt. E. W. Stephens, aerologist at the Fleet Air base, Pearl Harbor. Lt. Stephens made daily upper-air observations during the Itasca's cruise, both south and north bound and for 1,000 miles along the equator. This is the first time in history that such observations have been made south of the Hawaiian Islands.

Balloons equipped with recording instruments were sent aloft daily and Lt. Stephens was able to learn wind direction and velocity at altitudes averaging 10,000 feet. At Pago Pago he made a recording of 17,000 feet.

The daily logs of the Kamehameha youths stationed on the islands will be turned over to the Bishop museum. Miller told reporters. They contain much interesting information about bird life, shells and fish around the islands. Many fine collections of shells were obtained for the museum as well as other specimens. A call at Swain's island by two of the youths resulted in other interesting collections for the museum.

BOYS COMPLIMENTED
"I would like to take this opportunity," said Miller, "to compliment the boys for the fine work they did during the past year. They gathered much valuable information. Although isolated for long periods, their morale and spirit were excellent. There was no sickness. In fact, I think they returned in better health than when they left home."

The boys themselves all declared they had enjoyed the experience but were naturally glad to be home again. Those in the party were: Henry Ahia, Daniel Toomey, Jacob Hall, Kenneth Bell, Wm. Yonnes, Henry Matikoa, A. Pili-ania, Wm. H. Kaina, Archie Kauhauka, H. Hooper, Joseph Kim, L. Waiviale, J. C. Kanihika, K. O. Opiopio, Jos. Anakalea, Fokina Fautafa, Alex. Kahapea, Henry Oumuiuku, Solomon Kalama, J. Carroll, G. Kahana.

Besides Miller and Lt. Stephens, others who made the Itasca trip included Lt. Comdr. L. Herndon, Lt. (jg) R. H. Conn, Lt. R. W. D. Wood, USN, and Major Clayton Reisell. All are identified with service aviation.

Miller said he would remain here for about three weeks winding up details of the expedition. He then expects to go to the Orient where the next major aero-commercial route will be established.

FLARE CAUSES QUERIES
A red flare in the sky, caused by burning of rubbish by city-county workers near Kapiolani park early last night, prompted several persons to call The Advertiser and the police and fire departments to inquire whereabouts of the blaze.

Itasca Lands Food On Isle

Coast Guard Vessel Aids Hurricane Victims

(Continued from Page 1)

route from here to New Zealand and Australia.

After visiting the three islands mentioned, the Itasca put into Swain's island on her way to Pago Pago. American Samoa Swain's lies 200 miles north of Pago Pago, and at the island two Kamehameha youths, A. Pili-ania and K. Opiopio, were left to collect data and specimens for the Bishop museum. Swain's is owned and managed by a man named Jennings. It is a copra, banana and breadfruit trading post in the South Seas and is visited only irregularly by trading schooners.

The Itasca then went on to Pago Pago where she remained a month, before putting back to Baker, Howland and Jarvis. It was while on her way back that a severe hurricane occurred, the Itasca catching the tail-end of it at sea.

Wireless reports to her, however, reported about \$50,000 damage to property in Samoa. It was then that the Itasca made for Swain's island, where extensive damage had also occurred and the residents were found to be almost without food supplies, since they grow most of their own. The Itasca promptly put ashore about 1,000 pounds of foodstuffs, took aboard the two youths who had been left there and after visiting the other islands where additional youths were picked up, headed for home.

Swain's island has a population of about 175, mostly natives from the Cook group, who were brought there to work copra. The Kam boys managed to collect many interesting specimens for the museum. They also made a study of the natives which will be submitted to the museum.

Kamehameha Boys' School Moves To Camp For Week
A new departure in island education is being carried out by the Kamehameha school for boys, the experiment to end tomorrow.

The entire school has been taken out to Camp Mokuleia, half of the student body spending four days at camp last week and the other half three days this week.

At the camp regular school classes are held each morning, instructors holding their sessions in the craft shop and main hall at the camp.

GO TO CAMP
Transported by school buses, 100 boys went to the camp last week under the leadership of Claude Banning, and 80 went out Sunday in charge of Charles Parrent, both of the faculty. Donald Mitchell had charge of the camp programs for both sessions.

Deadline Set This Saturday For Dog Show

Entries for the Hawaiian Kennel club's all-breed dog show which will be held at the Army March 28 and 29 will close Saturday, and all nominations of dogs must be in the hands of Er Crane, secretary of the club, not later than midnight of that day.

Crane announced yesterday. Entries may be mailed to Box 2383, but must reach the committee not later than Saturday midnight. Entry blanks may be obtained from Arthur Zane, Capitol Market, any of the local pet hospitals, or from Crane through Box 2383, Honolulu.

An important meeting of entry committee members appointed recently for the various breeds will be held tomorrow night at Room 412, Hawaiian Trust building. All interested are asked to attend.

Wong Wing Awana Dies; Rites Today

Wong Wing Awana, 1030 South Queen street, retired coffee planter, died at his home at 4:45 a. m. yesterday after a short illness. Heart trouble was the cause of death.

Funeral services will be held at 10 a. m. today at the Nuuanu funeral parlors, where the body has been on view since 6 p. m. yesterday. Burial will take place in the Maunaloa Chinese cemetery.

Awana was born in China and was 56 years old, coming to Hawaii 38 years ago. He was engaged in coffee culture in the islands for several years, and retired from active work in 1905.

A widower, Awana is survived by a daughter, Mrs. Agnes Kawai, four sons, Benedict Ahina, David Aukai, Clement Aho and John Awana; 21 grandchildren, and two great-grandchildren.

Woman Pleads Guilty To Fraud

Ex-Waioliu Postmistress Faces Charge
Mrs. Juliette Apiki, formerly in charge of the post office at Waioliu, Kauai, island of Hawaii, pleaded guilty in federal court yesterday to an indictment which charged her with having padded her payroll.

It was understood yesterday that the woman has refunded to the government the amount of money she received illegally. She has been represented by Attorney Earl R. McGhee, former deputy attorney-general of Hawaii.

Judge Ruber continued the imposition of sentence to 2 p. m. next Monday.

One liquor and two narcotics cases were disposed of by Judge Ruber, with the kokua of Williston C. Moore, chief assistant district attorney, as follows:

Wong, Iwakura, \$100 fine and six months' imprisonment in the city jail. Execution of the sentence was suspended, however, and Wong was placed on probation for five years.

Parry, a day in the penitentiary. Lee Kook Sun, similarly charged, year and a day in the penitentiary. Costs were remitted in these cases.

NEW LITERATURE CLASSES
In children's literature, conducted by Helen C. Tuttle, Punahou elementary school teacher, will be held this afternoon at Hawaii hall, University of Hawaii campus. Registration may be made through the executive division. Guests are invited to attend the first meeting.

Dr. Compton To Speak Here On Cosmic Rays

Nobel Prize Winner Talks At Dillingham Hall Tomorrow Night

Although his lecture on "Cosmic Rays" in Dillingham hall tomorrow evening will be for popular consumption by laymen, Dr. Arthur N. Compton is expected to bring to his Honolulu audience much of the information he divulged in his now-famous talk to the American Association for the Advancement of Science in St. Louis last January.

Of his St. Louis lecture the magazine Time said that "it marked the end of the 'mystery' of cosmic rays, wrote facts to one of the most reverberating scientific controversies of the century."

The "controversy" was between Dr. Compton and Dr. Robert A. Millikan of California Institute of Technology. Dr. Millikan contended that cosmic rays, discovered by a German at the turn of the century and a scientific curiosity since, were light rays or photons. Dr. Compton said they were electric particles.

STRANGER AT FOLLS
Data gathered from all over the world indicated that cosmic rays were affected by the magnetic pull of the earth. Near the north and south magnetic poles there were many more than near the equator.

Dr. Millikan's theory that the charged particles were secondary rays dislodged from the air was shaken when Dr. Compton found charged particles with energies of 30 billion volts and when he himself measured rays at the equator with 10 billion volts.

Since then Dr. Millikan has gradually come to Dr. Compton's position, until the University of Chicago scientist is being looked to as the foremost authority on this subject.

Both Dr. Compton and Dr. Millikan are Nobel prize winners. Cosmic rays led to the discovery of the positron, helped in the study of the earth's magnetic field, and are of other scientific interest and use. Some observers point out that since approximately 30 rays pass through the human body a second they may have some effect on life and death.

MEASURED RAYS
Dr. Compton made the first wave-length measurement of hard gamma rays, cosmic rays, by the use in wave length of X-rays when scattered, discovered the total reflection of gamma rays, and created with many other scientific facts. He has won many awards and honors in addition to the Nobel prize.

Dr. Compton is a deacon in the Baptist church, and is actively interested in missions, settlement work and the YMCA.

The lecture tomorrow is under the auspices of the University of Hawaii, the Hawaiian Academy of Science and the Honolulu section of the American Chemical society. It begins at 8 p. m. and is open to the public. Slides will be shown.

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