

records a fact than the richest without meaning.—John Ruskin.

Honolulu Star-Bulletin

Prejudice, which sees what it pleases, cannot see what is plain.—Aubrey De Vere.

HONOLULU, TERRITORY OF HAWAII, SATURDAY, FEBRUARY 3, 1917.

SCHOOL GARDEN CONTEST REACHES THE END OF JANUARY WITH HUNDREDS HARD AT WORK

NINOLE SCHOOL FORMS GARDEN CLUB AND ORGANIZES FOR ENERGETIC WORK

Eighteen Members Divide Duties and All Unite Earnestly in Gardening—Each Child's Plot to Be Compared, for Beneficial Results

Ninole, Hawaii, Jan. 19, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: Following is the work that is being done at the Ninole school garden:

The preparation of the ground began some time during the month of December, 1916, and is still in progress.

Planting started on the 12th of January, 1917.

The garden is divided into two divisions or tracts, the upper tract and the lower tract. Work has begun on the upper tract and the same has been divided into four plots with a roadway in the center.

On January 12, 1917, plot No. 1 was planted to California yellow sweet potatoes. Twenty-one rows were planted, and on January 18 four more rows of red sweet potatoes were planted on the same plot, making a total of 25 rows of sweet potatoes planted on plot No. 1.

On the same date a few taro plants were also planted on the side of plot No. 1.

On January 15 a meeting was called at which the organization of the Ninole School Garden Club took place. The following officers were elected: Amos J. Ignacio, principal, president and overseer; Louis Cadima, grade 6, secretary; Otoiichi Matsushige, treasurer; Joshua de Souza, janitor; Alverino Chaves, Louis Cadima, Jr., and Alice Ignacio, committee in charge of planting. It was decided at this meeting that the planting, etc., should be conducted on Tuesdays, Thursdays and Fridays after school hours.

At the present time the club consists of 18 members and they are all enthusiastic over the progress that has been met so far.

On January 18 plot No. 2 was planted to rose beans. Eight rows, 70 feet long, were planted. One ought to see the enthusiasm shown by the children while planting this plot to beans.

On January 18 half of plot No. 3 was planted to cranberry beans, a climbing bean which bears heavily. This bean has been experimented with in our school garden with great success. More will be planted shortly.

The weather so far has been favorable with slight showers during the night.

The lower tract will be worked as soon as the upper tract has been planted, which will be a matter of only a few days more.

This garden work is being done voluntarily and we expect to make a success of it.

Drawings and pictures will be sent later as soon as the plants begin to thrive.

By next week each child will be given a small plot to be planted with the vegetable seeds that they may choose and then each one will be made to take care of his or her plot as well as the large plots which have been and will be planted on a large scale. The idea is for comparison, to compare the quantity raised on the small plots with that of the larger plots and then see which is more profitable; to raise vegetables on a small scale or on a large one.

The pupils in this garden club range from Grade 1 to Grade 7 and three of the teachers volunteered and joined the club.

The following are the members of the Ninole School Garden Club: Amos J. Ignacio, principal, president and overseer; Joshua de Souza, assistant teacher, janitor; Alverino Chaves, assistant teacher, planting committee; Alice Ignacio, grade 7, planting committee; Louis Cadima, grade 6, secretary; Otoiichi Matsushige, grade 6, treasurer; Louis Cadima, Jr., grade 5, planting committee; Edith Ignacio, grade 5; Antonia Ignacio, grade 5; Minoru Kawahara, grade 4; Minoru Nakagawa, grade 4; Yutaka Yada, grade 4; Albert Torres, grade 3; Amos A. Ignacio, grade 3; Jesuina de Lima, grade 3; Louis Carvalho, grade 3; Manuel Vieira, grade 2; Elvira Vieira, grade 1.

Other members will be admitted as they apply for admission to the club.

Yours very truly,
 AMOS J. IGNACIO,
 President and Overseer Ninole School Garden Club.
 P. S.—Enclosed please find two letters from the pupils.

Maui Gardens Show Effects of Careful and Persistent Work of the Pupils



Upper left—One obstacle to overcome in Star-Bulletin contest—digging out big rock at Paia school. Upper right—Weeding an onion bed at Hamakua school garden. Below—Well-cultivated garden at Keahua, one of the most recent of Maui entries in contest.

MANY LETTERS ON GARDEN PROGRESS

How the letters do pour in upon the Star-Bulletin!

Dozens of them, scores of them, hundreds of them!

They reach the editor in every mail and they have already filled two drawers of the desk. Pretty soon we'll have to have a special room for them!

And each one is interesting. It is really too bad the Star-Bulletin cannot publish every letter, but that is totally impossible. As a matter of fact, it is impossible to publish one-third of the letters.

There are also many photos and drawings, particularly the latter, which cannot be published. However, every letter, every photo, every drawing which comes to the office counts toward the prize-getting, for all are gone over carefully and the good and bad points noted. So, pupils of Hawaii, don't be discouraged if your letters and drawings do not appear. The Star-Bulletin is trying to publish as many as possible, but space is limited and we can only do our best. As far as possible, however, every letter will be mentioned in these columns.

A word to the teachers: Please select for sending to us for publication only a few of the letters—the best. If possible, have them typewritten; this saves a great deal of trouble for the judges of letters.

CONTEST NOTES

John J. Thomas writes from Anahola, Kauai. So does Matsukichi Kanai.

Inoru Tanaka of Waianae sends an interesting letter this week—the first of the February letters to reach us.

A bright letter—typewritten, too—comes from Louis Robello, one of the directors of the Kahuku, Oahu, school organization.

Kauai was well represented on the last mail which came to the Star-Bulletin. Kauai High and Grammar school sent in letters by Miss Louisa Kahi, Ernest Wedemeyer and Manuel Gouveia.

Keanae, Maui, is prompt with letters. One comes this week from the pupils of room 2.

A Maui school which is "on the job" is Keahua. Raphael Molina, grade 5, writes about the gardens.

Oscar E. Werner, of the Keahua, Maui, principal, writes to enter his school in the contest. The boys of the school are showing great interest and the school will be entered.

Wah Chong Alama writes a wide-awake letter from Hana, Maui. Another Hana letter sums up the work to date in an interesting fashion.

Hanalei, Kauai, is hard at work. Mrs. E. W. Booco writes under date of January 27.

Kaupo, Maui, has started sending weekly letters. The school is hard after the prize and evidently will be a high contestant.

Julia Hookeaku of Kalihi-kai school, Oahu, tells the Star-Bulletin the tomatoes and onions are doing finely.

Kizu Shimomura writes from Wai-pahu that the "vegetables are growing beautifully."

The Star-Bulletin wishes to express its thanks to Prof. Vaughan MacCaughy of the College of Hawaii for sending this paper copies of pamphlets he has written on school gardening in Hawaii.

Among the school children writing this week from Kalihi-kai school, Oahu, are Lizzie Gindina, Edith Fer-

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PRINCIPAL BROWN AT PUUNENE HAS SPECIAL PLAN FOR GARDEN PROMOTION

System of Contracts and "Renters" Results in Widening Opportunity—He Finds that the Work Has High Educational Value and Interest is on Increase

Puunene, Maui, T. H., Jan. 22, 1917.
 Editor Honolulu Star-Bulletin,
 Honolulu, T. H.

Sir: In connection with the Star-Bulletin Farm Contest for schools I wish to direct your attention to our activities in home gardening. We have laid the foundation for this work in several ways. In our language classes we have encouraged our pupils to send for seed catalogues, farmers' bulletins and such other information as might be obtained without charge. We find that pupils will take much more interest in letter writing if it is real live work—that is, if they are to realize something from it besides the instruction in language. It seems, too, that pupils take more interest in reading in catalogues than they do in their readers. They are more anxious to learn the meaning of the language used than is the case with their readers because it has a deeper meaning to them than a mere exercise in English. We have thus correlated our vocational work with our classroom language work.

In laying out our school garden we have aimed to conform to some degree of mathematical precision rather than to raise the maximum amount of commercial value with the minimum amount of expense in time and

labor. We have carefully leveled our garden plot, requiring the pupils to do so according to their best judgment and then to test their work by making water run back and forth in a shallow ditch until it has reached all parts of the plot. Their judgment has improved very noticeably through such training. Stakes are set carefully to mark the rows, which are a uniform distance apart, usually 4 inches. A tightly drawn string marks each row while it is being planted. The seeds are dropped in equal distance apart by the aid of a machine which was made by our young gardeners. Our system enables us to compute the number of plants that can be raised on any of our plots in given dimensions, which can be reduced to an acreage basis quite easily. Thus our vocational work in the field by drill in practical measurement and common daily calculations is related with our classroom work in arithmetic.

As our produce develops we take the study of insect and weed pests. Plant life is observed in all stages of development. Insect pests are caught and made to unfold their life histories. The germination of seeds is also demonstrated. The effects of fertilizers are observed. Thus do we supplement our classroom work in geography and natural science.

Practical Training High

Nor must we forget the practical training that our little school children receive from calling at homes in the community and disposing of garden produce. They are taught to speak impressively of the merits of their goods, to explain that they are clean, freshly harvested from the school garden, etc. They are in keen competition with professional gardeners, but they seldom ever fail to make their efforts successful. They

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WAIHINU GIRL SHOWS ENERGY

Waihinu, Kau, Hawaii, January 27, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: I have gone into the farming contest and I want to tell you all about my garden.

First I had to clear the land and get all the stones out. Then I softened the dirt. I made the rows ready to plant the seeds. The next day I planted some Hawaiian onions, some tomatoes, some turnips, some radishes, some Maui red beans, some carrots and parsley. I planted some head cabbage and lettuce in boxes. The day after I planted my lettuce some chickens got into the box and scratched out all the seeds. I planted some more. On the 26th day of January it rained very hard. Some places here were flooded and the dirt was all washed down in my garden and covered the whole thing. I had to plant it all over again. My beans are about three inches high and my tomatoes are about one inch high.

As the ground was very rocky I have my garden in small patches here and there. I have to carry the water which I use for watering my garden in a watering can. My turnip bed was all washed away by the rain, but I am going to plant them again.

Yours very truly,
 CONSTANCE VIDA.

ENTHUSIASM AT PAIA RUNS HIGH

Paia, Maui, Jan. 29, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: The work on the Paia school gardens is continuing with great enthusiasm.

The general school plot is being divided into rectangular plots, 12 feet wide and 30 feet long.

The first plot has been planted with six rows of peas with rows laid out lengthwise.

To test them out we have planted them like this: The first four rows have been planted thickly with two pounds of fertilizer in the first two rows, no fertilizer in third and four pounds in the fourth. The other two rows have been planted thinly with two pounds of fertilizer in one and none in the other.

We have also planted 12 varieties of lettuce in boxes, with a half pound of fertilizer put into each box. These will be transplanted to the gardens to test them out and find the best variety.

The boys are tearing down their old plots and making new ones. Many plots have been finished and will be planted soon. Sometimes the boys work on the general school plot and sometimes on their own.

Hoes, rakes, shovels, pickaxes and wheelbarrows are used to work on the gardens. The boys are attacking the rocks, weeds and small stones with a light heart. Don't you think they are brave?

Respectfully yours,
 MANUEL SILVA,
 Grade VIII, Paia School.

WAIHEA, KAUAI, GARDENS 'FINE'

Waiheia, Kauai, Jan. 29, 1916.
 Editor Honolulu Star-Bulletin.
 Sir: Our gardens here at the Waiheia School are fine. The vegetables are peeping out of the ground and the rain gave them enough water. The carrots, turnips, peas and other vegetables grow very rapidly. The large stones in our gardens were taken away by some men sent by Mr. Brandt and the soil was softened by the boys. The soil is dark red and is good soil for agriculture. The gardens of the other grades are also fine. They plant other vegetables such as sweet potatoes, beets and other plants that grow well. The rain watered our gardens and softened the soil and the sun helped us, a great deal. We planted something for a border. There was an extra space near the stone wall and instead of leaving that bare we planted vines. The only thing I can tell you that is of importance is that the vegetables are growing well and rapidly.

Yours truly,
 SHIZUO TSUCHIJA.

PAPAIIKOU JOINS GARDEN CONTEST

Papaikou, Hawaii, Jan. 26, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: We wish to join the school garden contest for this year. We have not written to you earlier because our garden was not ready. The weather has not given us much chance to work.

During the last four weeks we planted something in our garden. We have carrots, lettuce, beans, cabbage and onions growing.

Our garden is in a little valley. We have made some large ditches to carry the water.

We hope to tell you more about our present crop by next mail.

Yours truly,
 THIRD GRADE,
 Papaikou School.

HEAVY RAINS AT PAAULO, HAWAII

Paaulo, Hawaii, Jan. 28, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: I have not done any work in my home garden owing to the heavy rain we have had. All the products I have planted are coming up fine except the beans, owing to the condition of the ground. The lettuce and carrot are about to be separated. The sweet corn is coming up also but some kind of insects are in it and I hope they shall not eat up the leaves.

Yours truly,
 NAWAI KOOLANI.

Paaulo School, Jan. 29, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: As it has been very wet during the week we have not done any gardening.

Yours truly,
 NAWAI KOOLANI.

Kalihi-Waena Adds Marigolds to Plants

Honolulu, T. H., Jan. 24, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: We cannot work in the garden today because the ground is very wet and when we dig it gets muddy. We have filled our boxes with fine soil. We planted cabbage seeds about two weeks ago and now the plants are two and one-half inches high. When the plants are stronger we will transplant them.

It has rained hard and the weeds have grown very fast. We want our yard to be clean, so we have pulled the weeds. We have planted marigolds along the sidewalk and they look very pretty. We also have the almander growing in our yard.

Yours truly,
 JOSEPH KAPUWA,
 Kalihi-Waena School,
 Grade IV-A.

- THE PRIZES
- The following prizes are offered by the Star-Bulletin and Mr. Frank C. Atherton:
- OAHU
 School gardens—First prize, \$25; second prize, \$15; third prize, \$10.
 Home gardens—First prize, \$25; second prize, \$15; third prize, \$10.
- KAUAI
 School gardens—First prize, \$25; second prize, \$15; third prize, \$10.
 Home gardens—First prize, \$25; second prize, \$15; third prize, \$10.
- MAUI
 School gardens—First prize, \$25; second prize, \$15; third prize, \$10.
 Home gardens—First prize, \$25; second prize, \$15; third prize, \$10.
- MOLOKAI AND LANAI
 School gardens—First prize, \$15; second prize, \$5.
 Home gardens—First prize, \$15; second prize, \$5.
- EAST HAWAII
 School gardens—First prize, \$25; second prize, \$15; third prize, \$10.
 Home gardens—First prize, \$25; second prize, \$15; third prize, \$10.
- WEST HAWAII
 School gardens—First prize, \$25; second prize, \$15; third prize, \$10.
 Home gardens—First prize, \$25; second prize, \$15; third prize, \$10.

Keanae Principal Uses Own Money To Assist Sewing

Keanae, Maui, Jan. 12, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: Last Friday the boys went into the yard and garden to work and the girls went into Room 1 to sew with our assistant teacher.

The boys were divided into two groups. The smaller boys cut grass and cleaned the yard. The larger boys worked in the garden pulling weeds, breaking more ground, cleaning away rocks and watering.

Our principal, James O. Mitchell, is supplying the girls with sewing materials bought with his own money. The girls are sewing petticoats, blouses, pillow cases, etc., for themselves.

Our weather has been rather dry during the week. We had calm days and days during which gentle breezes from the northwest blew. We are expecting a kona storm.

With thanks to you and wishing your paper every success, we are,
 Yours respectfully,
 PUPILS OF ROOM 2,
 Keanae School.

Watchful Waiting For Lihue, Kauai

Lihue, Kauai, Jan. 29, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: I beg to inform you of the work in the gardens of the Lihue school.

The work for the past two weeks has been almost a watchful waiting proposition. The weather was bad. Almost nothing could be done owing to the excessive rains.

No seeds were planted. When the weather permitted the boys walked into their gardens, pulled weeds and cleaned the irrigating ditches.

The growth has been great, owing to the pressure of moisture in the soil and air.

Of late we have been bothered by the mynah-birds and doves.

Respectfully yours,
 WILLIAM L. SERRAO.

WAIALUA SCHOOL ENTERS CONTEST

Waialua School, Molokai, Jan. 26, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: The Waialua school desires to enter the farm contest. The boys made gardens in the northwestern, northern and eastern sections of the school yard.

The garden in the northwestern section of the school yard is triangular and the ones in the northern and eastern sections are rectangular.

The boys and girls are making gardens at home, just as well as at school.

The soil is fertile. Manure fertilizer has been added.

We have special varieties imported from Japan.

We have planted all varieties imaginable. Everyone who is taking part in this active work is very grateful for the opportunity offered and wishes to thank you.

Yours respectfully,
 FLORA KAULILI,
 Corresponding Secretary.

MAKING GOOD GARDENS WORTH WHILE WHETHER PRIZE IS WON OR NOT

Hamakua, Maui, Jan. 26, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: We are going to tell you a little more about our garden.

The boys are working hard getting the ground ready for new seeds. We have sold some vegetables and we are using the money to buy seeds.

This year we have had very dry weather. The soil gets very hard, almost like a brick. It is hard to dig and to break. We are anxious to have our seeds planted and to have the fun of watching our plants grow. We shall be proud to take home our vegetables and to sell some of them. That will be worth while whether we win a prize or not.

Yours truly,
 TAKEO OKUNO.

WAIHOLE HOPES FOR SUNSHINE

Waihole School, Oahu, T. H., Jan. 26, 1917.
 Editor Star-Bulletin.
 Sir: This letter is a report on the Waihole school garden. Our garden is on the west side of the school lot, next to the railroad. It is a plot of ground 110 feet long by 30 feet wide. There is a mesh-wire fence about seven feet high around the garden. There is a beautiful bignonia vine growing on the fence. It is all in blossom now. The garden slopes gently towards the road. It is laid out in beds. There are 30 beds. Some are large, others are small.

There is piped water in the garden. We have a good hose, too. We have all necessary tools.

It has rained so much this week that we have not had to water the garden. The plants are growing but are not very big yet. Some sunshine would be good for the plants right now.

Yours respectfully,
 HOSAI SHIRATORI.

FNDS PARTNERSHIP HELPS IN GARDENING

Puunene, Maui, Jan. 23, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: I have a home garden and wish to join in your contest. We have a garden in a cane field. My partner is Aga Yoo-Won Challa. He is a hardworking boy and always helps me. I am pleased with him. My garden is about three yards square and we are digging now. My place is on the side and it is a good place for vegetables to grow. I hope we can get the \$25.

Yours respectfully,
 F. HIRASHI,
 Grade IV.

Puunene, Maui, Jan. 24, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: I have a home garden and wish to join in your contest. My garden is next to the school. We cannot have a garden at home because we cannot irrigate. But Mr. Baldwin gave us a piece of ground by the school and water to water the plants with. We give half of what we raise to the school for rent, seeds and to buy playground equipment.

Yours respectfully,
 KAZUO KOBAYASHI,
 Grade V.

MAKAWELI FINDS RAIN HARMFUL

Makaweli, Kauai, Jan. 29, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: It has been raining so much lately that the garden has been neglected a little. The last rain washed quite a lot of soil away and knocked two or three of the sweet potato vines down.

Our garden has a beautiful border of hibiscus on one side and on the other three sides we planted sun flowers.

Our potato patch is in a triangular shape and is enclosed also by sun flowers. The sun flowers are growing nicely.

Yours truly,
 RIYUSUKE SAKAI.

NINOLE PLANTING PROVES SUCCESS

Ninole, Hawaii, Jan. 25, 1917.
 Editor Honolulu Star-Bulletin.
 Dear Sir: I am going to tell you something about our school garden. We have organized a garden club. We have already planted beans and are going to plant Irish potatoes, radishes, lettuce and turnips.

The climate is very good. This is all I have to tell you about our garden this time.

Yours very truly,
 MASARU NAKAGAWA,
 Grade IV.

Ninole, Hawaii, Jan. 18, 1917.
 Editor Honolulu Star-Bulletin.
 Dear Sir: I am writing to you about our school garden. I am going to plant beans, banana trees, cabbage, papayas, Irish potatoes, corn and a few other kinds of plants. The weather is good and the soil is rich.

Yours truly,
 LOUIS CADIMA, JR.,
 Grade V.

PUPIL AT PEPEKEO TELLS OF HOME GARDEN

Pepeekeo School, Jan. 25, 1917.
 Editor Honolulu Star-Bulletin.
 Sir: I have a home garden. The garden is about 15 feet long and 10 feet wide.

The things that are growing in the garden are lettuce, carrots, onions, peanuts, Japanese cabbage and beans. The rain destroyed all the beets. The carrots are fine. The onions have been destroyed. I have three rows of lettuce left.

My home garden is at the Home-stead Kulaimani.

Yours truly,
 HAROLD E. HOWARD,
 Address Harold E. Howard, Pepeekeo, Hawaii.