









# 4-H Club NEWS



**EDITOR'S NOTE:** This section will be devoted to 4-H club news each week, and we request that all club leaders report 4-H club activities, which will be published in this newspaper. Kindly address 4-H Club Editor, in care of this newspaper, 619 Jamieson building, Spokane, Wash.

## SKAGIT COUNTY HAS 38 NEW CLUBS LISTED

Skagit county, in western Washington, has a larger enrollment this year in its 4-H clubs. There are now 61 clubs with a total enrollment of 565 boys and girls. Last year there were 44 clubs with an enrollment of 396.

This year there are 38 new clubs in the county. This means that a larger number of boys and girls are afforded an opportunity to develop desirable ideals and standards of farming, homemaking, community life, citizenship and a sense of responsibility for their attainments.

**Two Indian Clubs.**  
Skagit county this year has two clubs on the Swinomish Indian reservation. The girls' club has selected sewing as their project and the boys have a potato club.

In the recent booster button campaign 1096 booster buttons were sold by Skagit county. They have an annual song contest and an annual yell contest. On March 19 the song contest was held with a large attendance. A tentative date set for the yell contest is May 21. Many clubs are expected to participate in this contest.

**Leaders Visit Navy Yard.**  
The leaders' meeting of the district composed of King, Snohomish and Whatcom counties was held at Bremerton. They took a trip through the navy yard and were taken aboard the battleship Tennessee.

Four-H club members in eastern Washington are interested in the parties, programs and plans of clubs in western Washington due to the unification and cooperation of the state 4-H clubs.

### GOOD NEWS FOR THE FISH

**CATHLAMET, Wash.**—Between 300 and 400 vessels in the Pacific Coast Fishermen's Union are tied up in the Columbia because of a deadlock in price negotiations with Puget Sound buyers, Glen Murdock, executive secretary of the union, stated Monday.

Murdock said that Seattle buyers have a contract with the Seattle cooperative troller groups to purchase their fish first, offering the P. C. F. U. only the opportunity to compete on the open market.

Negotiations with Columbia river buyers will not be undertaken until river gillnetters have reached an agreement with packers.

While the argument rages, the salmon, in large numbers, are on their way up stream to attend the annual "Old Home Week" celebration at their upper-river spawning grounds.

### BOYS AND GIRLS ORGANIZE CLUBS IN COLUMBIA COUNTY

In Columbia county, the girls of the Pine Grove school, near Dayton, organized a 4-H sewing club on April 7. The club members are Marjorie Litala, president; Gloria Montgomery, vice president; Velma Griener, secretary; Vernice Vierhuf, reporter; Lavona Vierhuf, Wanda Griener and Maxine Griener.

One of the first activities of the club was the selling of blue birds for the Washington Children's Home society.

The boys of Pine Grove school also organized a 4-H pig club on April 7. Members are: Gerald Martin, president; Francis Crabb, vice president; Donald Martin, secretary; Carl Vierhuf, reporter; John Murrel, Norman Martin and Merle Jones.

### GIRLS ELECT DELEGATE FOR PULLMAN CLUB CAMP

Avis Lewis was elected as delegate and Vernadear Spurbeck as alternate, to attend the 4-H club camp at Pullman, by the Gould City 4-H club in Garfield county. The girls met at the home of Avis Lewis. Mrs. W. E. Graham gave a table setting and etiquette demonstration and M. F. Bunnell, county agent, told about the pheasant club which is being organized.

Refreshments were then served, followed by outdoor games.

### COLFAX 4-H GIRLS MEET

The Cook-a-Bit girls' 4-H club of Colfax, in Whitman county, met at the home of Miss Virginia Izett, president, Saturday, April 17.

Four-H state songs were sung at the business meeting. Miss Izett presented a demonstration on the making of baking powder biscuits according to a tested recipe.

Games were played and refreshments were served at the close of the meeting.

### FRANKLIN HAS NINE CLUBS

In Franklin county the organization of nine 4-H clubs has been completed, an increase of one over last year. Sixty-one members are enrolled.

### BUTTERFAT DOWN

**SUNNYSIDE, Wash.**—Butterfat in the Yakima valley, declined to 32 cents a pound, Tuesday morning, a drop of 2 cents. This is the lowest price here since June, 1936. The market was down to 33 cents in October and again in December.

The peak since June was 42 cents for 10 days in March. Wholesale butter dropped 1 cent, making the price 34 cents.

## SET JUNE 15 TO 20 FOR IDAHO 4-H COURSE

From June 15 to 20 the annual Idaho junior 4-H short course will be held on the campus of the University of Idaho at Moscow, according to W. L. Stephens, district extension agent. This is about one month earlier than last year's short course.

Those attending will receive their first meal Tuesday evening, June 15, and their last meal at breakfast, on June 20.

The 4-H boys will live at Lindley hall and the 4-H girls in the new Willis Sweet hall that has just recently been completed and is one of the finest buildings on the campus.

**Fees Not Decided.**  
The registration fee has not been set but there will be a slight increase over last year due to the higher costs of food. The value received far exceeds the cost. All leaders and 4-H club members in good standing may attend this short course, which is educational and recreational.

There was a large attendance last year, and, according to reports, all but a few are anxious to return again and many more are making plans to attend for the first time.

### ELECTROENCEPHALOGRAPHY JOB IS OPEN; SALARY IS \$3200

The United States civil service commission has announced open competitive examinations as follows:

Associate physicist (electroencephalography), \$3200 a year, U. S. public health service.

Endocrinologist, \$3800 a year, bureau of dairy industry.

Full information may be obtained from your postmaster.



If any other kind of business was run like the movies there wouldn't be any business.

George Walcott, young actor who has been in a dozen important Broadway shows, was given a major studio contract while still in New York. His salary began on the day he entrained for Hollywood. En route he received three telegrams from the Hollywood executive who had okayed his contract, urging him to report as soon as possible for a screen role.

When Walcott arrived he spent four days trying to even get into the studio. The red tape barred the way!

Because he did not have a timed appointment, the main gate wouldn't even phone inside the first day. The second day he got into the casting department, was asked to wait until they could contact the executive who had hired him. That official's secretary declared no one of such a name was known to them. And so on.

The fourth day George's first weekly check was due—and it was ready at the cashier's office! And with that official recognition of him, George perused extra-officious gatekeepers that he really should be permitted in!

Walcott, who's handsome, single and 20, will be seen in his first important screen role as Barbara Stanwyck's brother in "Stella Dallas." He's a lad of talent who's worth seeing to.

An interviewer asked Greta Garbo why she did not appear at more parties. Believe her statement or not. She declared "Because I'm never invited to any!"

The Marx brothers are often as witty offstage as in their well-prepared gags on the screen. Saturday Groucho was trying to do a scene in "A Day at the Races." Sam Wood is directing. After four bad takes Director Wood explained in disgust: "You can't make an actor out of clay!"

"Nor a director out of wood," snapped back Groucho!

Joan Woodbury, decidedly attractive

and vivacious young actress, will get ahead. Last week her agent tried to interest a producer in giving her the feminine lead in popular Bill Boyd's current picture. The producer said her photographs did not look Spanish enough.

Joan darkened her eye lashes, went to the producer, announced herself as "Nina Martinez," used a Spanish accent and landed the role!

It wasn't until after several days' shooting that the producer learned that Miss "Martinez" was in reality the Joan Woodbury he'd refused.

While ago I quoted Warner Baxter as declaring that a new color picture, "A Star Is Born," was the finest yet seen and a potentially sensational picture. It was previewed Saturday night. All the reviewers agreed today that it is "outstanding entertainment for all."

## OLDTIME COWBOYS TRAINING FOR MEET

**SPOKANE**—Cattlemen from all sections of the state are busy these days training their favorite cow ponies for the owner's championship "cow-horse" contest to be held in Yakima at the state cattlemen's convention May 17 and 18.

Among those who have listed horses for the contest are Charlie Glover of Spokane; Tim Bonard of Tonasket; Fred Adams of Ellensburg; George Aheling of Goldendale; Lester Pearne of White Swan; and J. J. Crawford, chairman of the convention.

Mine dividends increased 91 per cent in the Pacific northwest in 1936.

## WORKERS NEEDED IN BEET FIELDS

**TOPPENISH, Wash.**—The 6000 acres planted to sugar beets in the Yakima valley this season will aid materially in solving the unemployment problem in this area, county officials say.

Superintendent R. L. Howard of the Utah-Idaho Sugar company, has notified the district manager of the national re-employment service that 400 men will be needed soon for the work of cultivating the large beet acreage and that all local labor available can be used. The work is done on a contract basis at a total of \$13 an acre. Blocking and thinning brings \$37.50 an acre. The first of three hoeings brings \$2.50 an acre.

Workers will be secured through the NRS lists where possible. As a guard against an influx of Filipinos or Asiatics, a check has been initiated to forestall such a possibility.

**"TEACHER" GETS PAY RAISE**  
**TIETON, Wash.**—As a direct result of the state's new minimum wage law, one teacher in Yakima county stands to gain materially.

Mrs. Mollie Moss of Cowiche, will receive a salary increase of 150 per cent. Her contract for teaching the school at Thisius Mill this term called for a salary of \$500 for the school year. Next year she will receive \$1200—the minimum provided under the new act. The school has only about 25 pupils, but even under the new salary the district will save money over a plan proposed to furnish transportation of pupils to some other district.

There are miles enough of irrigation canals used in the Pacific northwest to equal the distance around the world.

## JOIN OUR TRAVEL CLUB

This paper has a very live travel club. The editor, a widely-traveled man, is in charge of the club, and is ready and willing to answer any inquiries you may make concerning trips and excursions. Let him help you travel. He can tell you how to go, what to wear, how much it will cost. Or he can help you plan a vacation trip. Fill in the coupon, and you will receive information on any trip you want.

NAME .....

ADDRESS .....

I am interested in making a trip to .....

Address: TRAVEL EDITOR, 619 Jamieson Bldg., Spokane, Wash.

## WORLD'S GREATEST SPECTACLE



The Grand Canyon is always described as the world's greatest spectacle by the thousands who visit it each year. There is nothing in the world which approaches it in form, size and color. From Bright Angel Point on the North Rim, the canyon is thirteen miles across and has an average depth of a mile. Grand Canyon was made a national park in 1919.—Union Pacific Railroad Photo.

## Reddy Kilowatt's 1936 TAXES

**\$1,577,941.62**

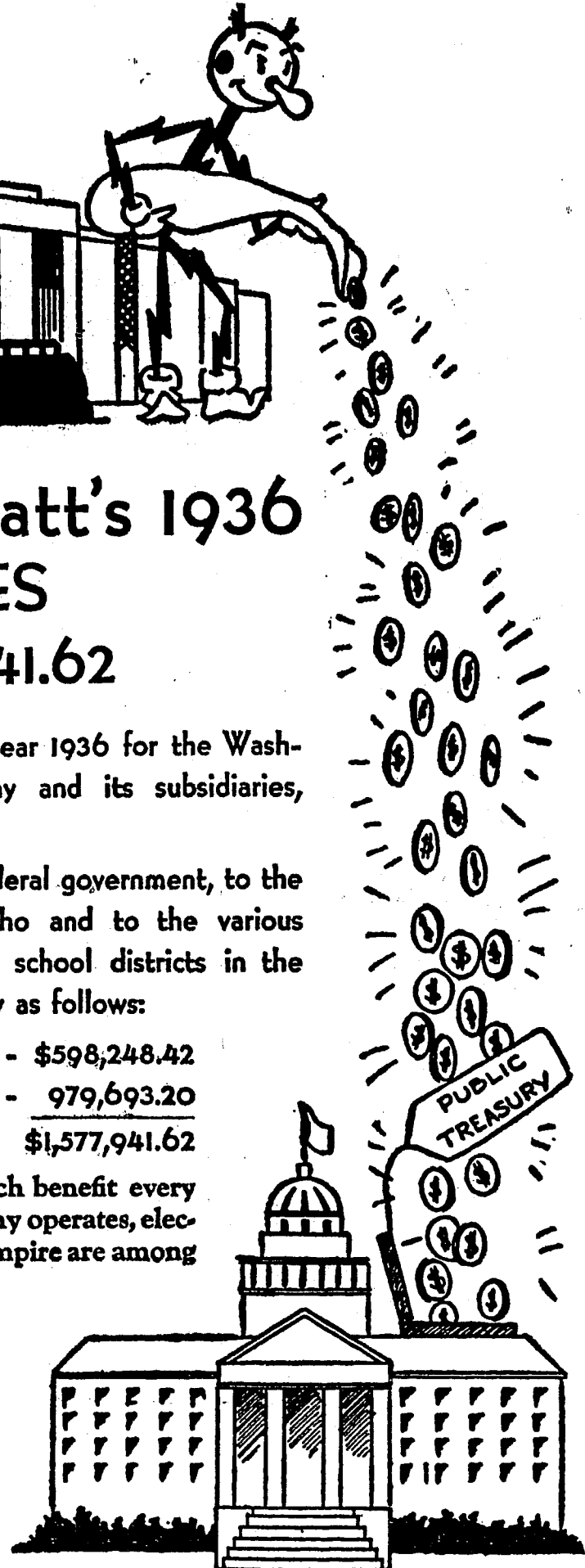
The total tax expense for the year 1936 for the Washington Water Power Company and its subsidiaries, amounts to \$1,577,941.62.

This includes taxes paid the federal government, to the states of Washington and Idaho and to the various counties, cities and towns and school districts in the territory served by this company as follows:

Federal Taxes - - - - \$598,248.42  
State, County and Local - 979,693.20  
Total \$1,577,941.62

Despite these tax payments, which benefit every community in which the company operates, electric service costs in the Inland Empire are among the lowest in the United States.

THE WASHINGTON WATER POWER CO.





A serial story by SAMUEL HOPKINS ADAMS of the FRANK LLOYD PRODUCTION

MAID OF SALEM

BY AUDREY COBBRETT, HERD McMURRAY



SYNOPSIS

Barbara, a Puritan... A choice was offered the suspects; confess or stand trial for witchcraft within a month.

CHAPTER VI

A choice was offered the suspects; confess or stand trial for witchcraft within a month. Only the intervention of the learned and merciful Judge Samuel Sewall...

She would rather have faced her judges and proved her innocence through old Tituba. But there was no chance of persuading the slave to recant her lies.

With maddening persistence Elmathan dinned into her ears his threats and persuasions: she must confess and repent or face the gallows.

"If I really were a witch, do you know what I'd do?"

"No."

"I'll punish on you some black midnight and whisk you out of your bed up into the sky, and hang you by your waistband to the horn of the moon."

"What elder of the church would take an accused witch to wife?"

"I would," he declared with conscious nobility. "I will. I will save you."

"Would you mind very much if I'd rather marry the hangman?" she asked sweetly.

The elder's lanky face puffed with fury. "I know your reason," he snarled.

"No! Do you? Have you been consulting soothsayers?" she mocked.

"I know him," he pursued with such evil conviction that, for the moment she was alarmed for her lover.

"You would deny it! Your lies are wasted. Bunyan Bilge saw him, Goody Higgins saw him, and the boy, Timothy. Confess that you were with him."

"Believe what you like," retorted the girl scornfully. At least all this nonsensical talk meant comparative safety for Roger.

But where was Roger? Why was he not back in the cabin on the cliff? Already his absence had run to a week.

"On the tenth day Jeremiah Adams managed to get private speech with her. 'Roger will be here tonight. There have been obstacles. He was suspected and would have been taken, but for his friends of the college who lodged him. 'The Sons of the Prophet'—he smiled proudly—'are stout fellows in a fray.'"

"I have been so frightened for him."

"Can you escape the house by night?"

"Yes; oh, yes!"

"Pay heed, then. The ship that brought Roger, a fugitive, from Virginia, will lie off the headland before dawn. A small boat will put in upon my beach. Do you be at my cabin at five tomorrow morning. There I will join you to Roger in holy wedlock, and may God watch over you both throughout life's voyage."

"Can't I see him tonight?" she asked wistfully.

He shook his head. "No needless risks now."

Early though she was after a night of fitful dozings and sharp awakenings, Barbara, as she toiled along the upper path, with the "gizzard of a trifle jaunty upon her head—for she must be fine for her lover's eyes—and her other worldly belongings slung in a stout cloth at her shoulder, saw the small boat already putting in and Roger descending the cliffside to meet it.

From the cottage came Jeremiah, poker in hand, for he had been mending the fire for a frugal wedding breakfast. Hardly giving her greeting, he strained his anxious vision toward the shore. Some sort of parley was in progress

between Roger and the eight men who had landed. Barbara heard his angry cry:

"Treachery!"

She saw him break through the ring and run, sword in hand. But escape up the cliff was cut off. He set his back to a great rock, and stood to his guard.

With a shout of dismay, the intrepid Jeremiah hurled himself down the steep pathway, and attacked the circle who were closing in upon the lone figure, in the rear. He struck down one man with his heavy poker, before they realized that he was upon them, but was, himself, beaten down by three others.

"Take him alive! He's no good to us, dead!"

"Roger! Roger!"

"Barbara! His heart leapt with unconquerable hope as the response came clear and strong. 'Wait for me, my love, my wife. I'll come back to you. I swear it before God.'"

"I'll wait Roger. As long as I live. There will never be anyone but you."

The boat melted into the mist. Barbara, sobbing, stared down at a dead man and Jeremiah Adams, staggering to his feet with his hands to his broken head.

(To Be Continued)

DEER GRAZING ON LOWER SLOPES

LOOMIS, Wash.—Deer are now plentiful on the lower mountain slopes, grazing where new grass has started to grow.

Many visitors have been driving up the Loomis-Tonasket highway and on up the upper Sinalahkin valley to Fish Lake, and back, via Pine Creek road to get a view of the deer, feeding in the earlier part of the morning or late afternoon.

NEED GLASSES?

Then take advantage of the expert services of our registered optometrist.

EASY PAYMENTS Progressive Optical Co. N130 Stevens Spokane

SPRING LAMBS WILL BE HIGHER

Federal livestock experts predicted last week that spring lamb prices in May and June would average higher than last year.

The bureau of agricultural economics reported lamb prices this spring were about \$1.50 to \$2 a hundred higher than last year. The survey said the seasonal price decline, which usually begins in June, likely would start later this year.

OREGON WOOL GETS HIGHER PRICES

KLAMATH, Ore.—About one-fourth of Klamath county's wool crop has been sold, with prices ranging from 30 to 36 1/2 cents, it was learned last week from the Klamath Production Credit association.

The predominant price was 35 cents. Only two clips sold at 30 cents. Approximately 23,000 fleeces sold at 35 cents; 4500 at 32 cents; 1100 at 30 cents and 1300 at 36 1/2 cents. Altogether this year's crop is estimated at 115,000 fleeces.

Advertisement for Fidelity Savings & Loan Association. Includes text: 'Yes, It Costs More' and 'Fidelity Saving Invites your Inquiry'. Features a decorative border with a clock and wheat stalks.

Advertisement for Western Diesel School. Includes text: 'Complete Diesel Training' and 'Prepare yourself now for a future of security in a field that will be definitely undermanned for years to come.'

BRING THIS DIRECTORY WITH YOU WHEN YOU SHOP IN SPOKANE SAVE STEPS

Where Can I Buy It?

TRY THESE RELIABLE FIRMS FIRST WHEN IN NEED OF ANY COMMODITY SAVE TIME

SPOKANE BUSINESS & PROFESSIONAL DIRECTORY

Advertisement for Barton Chevrolet Co. in Spokane. Includes text: 'For Guaranteed Reconditioned Used Cars and Trucks.' and 'BARTON'S CORNER Third and Walnut St.'

Advertisement for various services including auto wrecking, attorneys, barber shops, farm light, cemeteries, chiropractors, cafes, florists, and more.

Advertisement for various services including dentistry, electrical equipment, farm land, furniture, floor finishing, florists, and more.

Advertisement for various services including hotels, jewelry, laundries, locksmith & safe expert, labor agency, and more.

Advertisement for various services including musical instruments, poultry & eggs, printing, radio repairing, and more.

Advertisement for various services including service stations, sporting goods, stove & furnace repair, tanning fur-leather, and more.

Advertisement for 'Learn Beauty Culture' at Spokane Upstairs Beauty School. Includes text: 'Assure yourself of a good profession and be independent. Beauty Culture offers you a finely skilled career.'





Starting Early-Indoors and Out

Gardeners who live in cold climates should build glass houses. Two very simple kinds are known as hot-beds and cold frames. They have been used by gardeners for many hundreds of years, they are inexpensive, and one or the other should have a place in every garden.

If it seems too much of a task to build a hot-bed or cold frame, then the window glass of our homes may be put to use in helping out the garden.

What can be started under glass? Well, first, there is head lettuce. Other vegetables which should be started under glass are: Cabbage, cauliflower, celery, kohlrabi, eggplant, peppers and tomatoes. Cabbage, cauliflower, kohlrabi and celery are hardy and can be sown outdoors very early, but they need an extra early start, because it takes them quite long to mature.

Many flowers may be started under glass and brought to maturity weeks earlier than otherwise. Asters are nearly always given this start; as are snapdragons, pansies, petunias, verbenas and salvia.

Transplanting How To Do It Correctly

How to Transplant Seedlings. Transplanting is a year-around job, but it is particularly important now when cold frames and hotbeds are green with seedlings, and outdoor seed-beds are either growing, or contemplated.

Old Plant Takes On New Life

African Violet Improved in Size and Vivid Coloring... One of Longest Indoor Bloomers

Those tiny blue flowers which florists call saintpaulias, better known to most of us as African violets, have shaken off some of their shyness, and are blossoming with longer stems and more charming shades of purple, lavender and blue.

Being one of the longest indoor bloomers, this improvement should be welcome news to indoor gardeners, especially those who appreciate good values. We must have saintpaulias in our window gardens because no other violet will grow so well indoors, or has such attractive foliage.

They like sunlight, so keep them in the lightest corner of the room, at least part of the time, but they do not like direct sunlight for long periods. Water them sensibly so as to keep the soil moist but not waterlogged. If the plant is in a porous pot it will need water almost daily; if it is in a water-tight pot or other container, twice weekly will be sufficient.

URGE CRESTED WHEAT GRASS

County Agent Lee Foster of Lincoln county is urging every farmer in the county to plant ten acres of crested wheat grass. Satisfactory results have been shown in wheat grass production in the Wilbur, Harington, and Davenport regions.

CANNERS CONTRACT PEACHES

KENNEWICK, Wash. — Cannery here bought 600 tons of peaches in the Yakima valley recently at \$25 a ton, a check-up made by the Yakima horticultural club showed Monday. Growers reported that a strong swing of processors from cling to freestone peaches, was in progress.

BATTLE OF BONNEVILLE

"Animosities and resentment, smoldering like a volcano several years, burst forth in the anteroom of the house rivers and harbors committee when Oregon's governor, Charles H. Martin and Representative Walter M. Pierce, himself a former governor, came almost to blows over the Bonneville project and what Martin characterized as demagoguery and misrepresentation by Pierce."

Portland's chubby Mayor Carson also joined in telling the world that Pierce fought Bonneville from the beginning and is now trying to wreck it; that Pierce never did anything for Bonneville (and a lot more of the same). In fact, Martin and Carson were "completely exasperated," they said.

Pierce has prepared a Bonneville bill limiting the duties of the army engineers to merely operation of the sea locks, and also extends a blanket rate (like TVA) throughout the Bonneville power area.

Believing Pierce intends to make a blistering speech soon, questioning the motives and sincerity of the governor and mayor, Martin for days has tried to force Pierce to take the witness stand

during the hearings, but, cannily, Pierce, when invited by Chairman Marshfield to talk, begged off until next week. "When I will make a real speech," Martin was scheduled to leave for Oregon Sunday.

Pierce seemed to have the opinion that there was an African in the woodpile—that Martin and Carson were in cahoots with the utilities gang and certain large industries desirous of hogging the cheap Bonneville power to the detriment of the rural districts. Martin denied farmers would be injured—said "farmers will have all the power from Bonneville they want but we must have industries to establish low rates."

Meanwhile, not a word was heard from the state of Washington, although it is supposed to have rights to one-half of Bonneville power.

Harold L. Ickes, secretary of the interior, may also become a factor in the fight, it appears from his action last week in asking the national park service to make an investigation of development needs of the Columbia gorge area.

The planning committee recently warned that unless plans are made now for future development, important scenic and recreational values in the gorge may be destroyed or seriously injured as a result of changes incident to the construction of Bonneville dam. The committee had recommended ex-

tension of the park and forest areas and zoning controls (against industries) to conserve the gorge's scenic resources.

BUILDING AN "ALIBI?"

WENATCHEE—As April 30 and May 1 approaches, the dates for Wenatchee valley's annual Blossom Festival, and the unusually cold spring weather continuing to hold back blooming, the "three wise men" who forecast the date upon which the valley would burst into full bloom, are showing signs of a bad attack of "jitters."

"All we need," they say, "is two or three days of real old fashioned north central Washington weather to bring the apple blossoms out at their very best. The cold weather has held off the bloom or blossoms might have come out too soon. But now we are in line for warmer weather and this should mature the blossoms at just the right time. It is better to have them in the pink, than matured and falling off."

A year ago apple blossoms were out in a number of places at this time, in the Yakima valley. Many growers do not look for the full bloom period this season for apple trees until next week, or later.

However, the committee can probably—as on a former occasion—import a few carloads of blossoms from Hood River valley for the joyous event.

MORE ACTIVE APPLE DEMAND

WENATCHEE—Shippers report the most active demand for apples the market has seen for several weeks past, and as a consequence higher prices are being quoted at loading points.

The better inquiry is shown by the heavier movement, as loading in the past week in the northwest totaled 621 cars with Washington billing 583 and Oregon 38 cars.

Extra fancy winesaps of 163 size and larger are worth \$1.70 to \$1.75 at shipping points. Newtons are also stronger, with extra fancy bringing \$1.60 to \$1.65 and the fancy grade \$1.45 to \$1.50.

Winesaps at this time last year ranged from \$1.10 to \$1.35 for top grade and 5 to 10 cents under for fancy.

BOISE, Idaho.—A shortage of toads presented a major problem last week to sponsors of Boise's "Idaho Marches On" celebration, officials said.

With Idaho toads lacking, Dan Banks, American Legion post adjutant, appealed to the Amarillo, Texas, chamber of commerce, to obtain some of "those vicious, cantankerous toads of which the Lone Star state is so proud."

Baby Chick Feeding Schedule

AS SUGGESTED IN BULLETIN NO. 14, "POULTRY POINTERS," BY POULTRY COUNCIL, STATE COLLEGE OF WASHINGTON

RATION NO. 1

PROTEIN SUPPLEMENT INCORPORATED IN MASH. Developing Mash No. 1. 15 lbs. ground yellow corn, 10 lbs. ground wheat, 34 lbs. finely ground heavy oats, 18 lbs. millrun, 5 lbs. dehydrated alfalfa, 5 lbs. meat scrap, 7 lbs. fish meal, 1 lb. steamed bone meal, 4 lbs. ground oyster shell or limestone, 1 lb. biologically tested codliver oil or fish oil or its equivalent in concentrated vitamin D\*

RATION NO. 2

PROTEIN SUPPLEMENT FED IN FORM OF LIQUID MILK. Chick Starting Mash No. 2. 40 lbs. ground yellow corn, 20 lbs. ground wheat, 15 lbs. finely ground heavy oats, 15 lbs. wheat bran, 5 lbs. dehydrated alfalfa, 1 lb. steamed bone meal, 3 lbs. ground oyster shell or limestone, 1 lb. sal, 1 lb. biologically tested codliver oil or fish oil or its equivalent in concentrated vitamin D\*. Developing Mash No. 2. 15 lbs. ground yellow corn, 20 lbs. ground wheat, 38 lbs. finely ground heavy oats, 15 lbs. millrun, 5 lbs. dehydrated alfalfa, 2 lbs. steamed bone meal, 4 lbs. ground oyster shell of limestone, 1 lb. salt, 1 lb. biologically tested codliver oil or fish oil or its equivalent in concentrated vitamin D\*

Scratch Grains for Rations No. 1 and 2

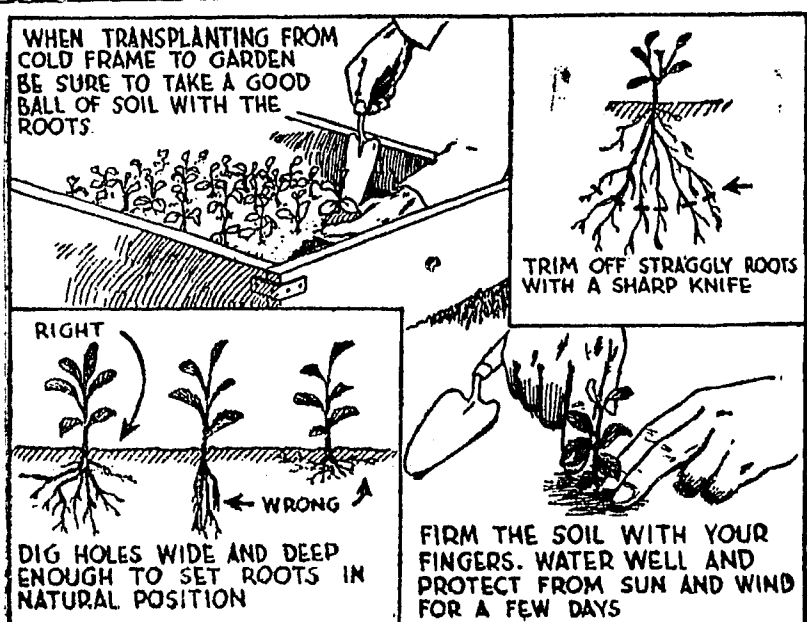
Table with 3 columns: Chick Scratch, Intermediate Scratch, Developing Scratch. Lists weights and ingredients like steel cut wheat, whole wheat, medium cracked yellow corn.

FEEDING SCHEEULE--RATION NO. 1

PROTEIN SUPPLEMENT INCORPORATED IN MASH. Protein Supplement Incorporated in Mash. Chicks purchased from hatchery should be fed on arrival. Chicks hatched at home should not be fed until 48 hours old. First Week: 6 to 7 a. m.—Give warm water, 100 degrees in clean fountains. Have 1/4-inch drinking space per chick. Keep Starting Mash No. 1 in hoppers—1-inch eating space per chick. Noon—Warm water, 100 degrees. Second Week: 6 to 7 a. m.—Keep fresh water in clean fountains. Fill mash hoppers. Get chicks out of doors if weather permits. Noon—Renew clean water. Fill mash hoppers. Green feed, all that chicks will eat. Third Week: 6 to 7 a. m.—Fill clean fountains with fresh water. Fill mash hoppers—1 1/2 inches eating space per chick. Keep cut, green feed before chicks all the time. Noon—Renew clean water. Fill mash hoppers. One-half pint chick scratch per 100 chicks fed on mash. Continue chick size granite grit or coarse sand. 5 to 6 p. m.—Renew clean water. Fill mash hoppers. Keep chicks from crowding at bed time. Grit should always be fed in separate hoppers. Fourth, Fifth and Sixth Week: Keep green feed and water before chicks. Continue Chick Starting Mash No. 1 and keep in hoppers—two 4-foot hoppers to 150 chicks. Change to Intermediate Scratch and keep in hoppers—one 4-foot hopper to 150 chicks. Continue coarse sand or granite grit in hoppers. Encourage chicks to roost at end of fourth week. All chicks should be roosting during sixth week. Remove all cockerels. Seventh to Eleventh Week Inclusive: Keep green feed and water constantly before pullets. Change to Developing Mash No. 1 and keep in hoppers. Continue Intermediate Scratch and keep in hoppers. Change to equal number of mash and grain hoppers by end of eighth week—one 6-foot mash hopper and one 6-foot grain hopper per 100 pullets. Keep heavy rolled oats, or heavy whole oats in separate hoppers. In starting pullets on whole oats at the beginning of the seventh week, it may be necessary to start them on one quart a day per 100 birds and gradually increase the amount for two or three weeks before attempting to keep oats constantly before them in hoppers. Feed medium size granite grit. Keep shell or limestone grit in separate hoppers. Twelfth Week to Maturity: Keep green feed and water constantly before pullets. Continue Developing Mash No. 1 and keep in hoppers. Change to Developing Scratch and keep in hoppers. Gradually increase the proportion of grain to mash hoppers.

FEEDING SCHEDULE--RATION NO. 2

PROTEIN SUPPLEMENT FED IN FORM OF LIQUID, SKIM MILK OR BUTTERMILK. Protein Supplement Fed in Form of Liquid, Skim Milk or Buttermilk. Chicks purchased from hatchery should be fed on arrival. Chicks hatched at home should not be fed until 48 hours old. First Week: 6 to 7 a. m.—Feed warm milk, 100 degrees in clean fountain—1/2-inch drinking space per chick. Clean milk fountains thoroughly each morning. Give no water. Keep Starting Mash No. 2 in hoppers constantly before chicks—1-inch eating space per chick. Noon—Renew warm milk, 100 degrees. Renew starting mash in hoppers. Give finely cut, tender, green feed—all the chicks will clean up. 5 to 6 p. m.—Renew warm milk in clean fountains. Fill mash hoppers. See that chicks are made comfortable before dark. Second Week: 6 to 7 a. m.—Keep clean milk in clean fountains. No water. Keep starting mash in hoppers. Get chicks out of doors if weather permits. Noon—Fill clean milk fountains and mash hoppers. Give cut, green feed—1-inch eating space per chick. Third Week: 6 to 7 a. m.—Keep clean milk in clean fountains. No water. Keep starting mash in hoppers. Keep cut green feed before chicks at all times. Chicks out of doors. Noon—Renew milk in clean fountains. Keep cut, green feed, milk and water in hoppers. Encourage chicks to roost at end of fourth week. All chicks should be roosting during sixth week. Remove all cockerels. Seventh to Eleventh Week Inclusive: Keep green feed, milk and water constantly before pullets. Change to Developing Mash No. 2 and keep in hoppers. Continue Intermediate Scratch and keep in hoppers. Change to equal number of mash and grain hoppers by end of eighth week—one 6-foot mash hopper and one 6-foot grain hopper per 100 pullets. Keep heavy rolled oats, or heavy whole oats in separate hoppers. In starting pullets on whole oats at the beginning of the seventh week, it may be necessary to start them on one quart a day per 100 birds and gradually increase the amount for two or three weeks before attempting whole oats constantly before them in hoppers. Feed medium size granite grit. Keep shell or limestone grit in separate hoppers. Twelfth Week to Maturity: Keep green feed and water constantly before pullets—feed milk till noon only. Continue Developing Mash No. 2 and keep in hoppers. Change to Developing Scratch and keep in hoppers. Gradually increase the proportion of



In all cases, thus assuring proper bare the roots of a seedling is poor practice. Root action must not be disturbed unnecessarily in transplanting, as the top growth must have a continuous supply of moisture and food. For this reason, a small portion of dirt, enough to keep the tiny tendrils of the roots in place, should be removed with the plant. This is best accomplished with a dibber, a small iron tool which is inexpensive and should be in every gardener's kit. It is also important that the soil be slightly moist, as this condition allows you to move it in a lump with little danger of crumbling.