AERIAL NAVIGATION.

Rousseau Thought It Might Come, but the Problem Stumped Him. curious little book is an old, old

treatise on aeronautics by Jean Jacques Rousseau, called "Le Nouveau Dedale.

Like Leonardo da Vinci and Cyrano de Bergerac, Rousseau was haunted by the dream of aerial navigation. We read in his treatise: "Men walk on the earth, they sail on the water and swim in it. Is not the air an element, like the others? What business have the birds to shut us out of their premises while we are made welcome in those of the fishes?"

Rousseau took no stock in any theories propounded by the Darius Greens of his day. He sifted the matter for himself and thought it involved two problems. First, to find a body lighter than air, so that it would rise. He imagined that sooner or later such a body might present itself. There was no telling.

But what stumped him was his secend problem-how to make that obiging body stop rising and how in creation to make it come down. This was too tough a problem for Jean Jacques, and he wound up his book by admitting it.

For a long time "Le Nouveau Dedale" remained unpublished, appearing

BE FAIR WITH THE DOG.

Give It a Square Deal and It Will Repay You For Your Care. Only muzzle a dog if it is absolutely

necessary. The wearing of a muzzle tends to make dogs cross and snappish. It does not prove that a dog has rables or is mad because it froths at the mouth. It may have a sore throat or a

Clipping the ears is a cruel and barbarous practice, wholly unnecessary, depriving the animal of its natural comfort and beauty and injuring its bearing.

If you must tie up the dog have the end of the chain secured to a ring on a long wire so that it can have the run of at least twenty or thirty feet.

Don't blame the dog for showing no ambition if it is overfed on ments and sweets. Its health and spirits will be of the best if it is given simple but substantial food and allowed the freedom of outdoor life.

Train the dog with firmness and fairness. The animal is eager to learn what is wanted of it and when once it understands will follow instructions with almost human intelligence.-Our Dumb Animais.

"A Right and Lawful Rood."

An example of the old rough and ready methods of arriving at a measurement is the Elizabethan way of get-ting the "feet." Fulentin Leigh, who wrote on surveying, records that after service on Sunday sixteen men were stopped at the church door, just as they happened to come out, and drawn up in line, left foot to left foot. The of growth in school population allength thus obtained was taken as "a ready exemplified in the efficiency of right and lawful rood to measure and the wooden portable schools, erected survey the land with." and a sixteenth on leased land in newer suburbs, part of it as "a right and lawful root." Although blg and little men were thus roughly averaged against each other, readily admits of unit construction the results naturally varied to some extent. Hence it is, as Shaw Sparrow notes in treating of this "rood" as the architectural "bay" which gives us the "bay window," that a bay is some Chronicle.

Epictetus.

The "Discourses of Epictetus" were hes but by his faithful pupil Arrian, afterward the historian of Alexander the may rely upon the substantial correct | combining both comfort and art. ness of the discourses. Epictetus wrote nothing, and but for the thoughtfulness of his affectionate disciple we would have known nothing of his wonderful teachings-teachings which have in spired many of the greatest men who have lived during the past 2,000 years.

Batisfied With Little.

The Australian bushmen wish only a shelter from the rain, and if they can find a cave or overhanging rock that will shelter them they will build no house. If there is no such natural sheiter they select a place where small trees or bushes grow together and weave the branches together and cover them with grass. This forms a roof to keep off the rain.-Pittsburgh Press.

Idle Talk.

"Gosh ding?" "What happened?"

"I talked two hours trying to persuade that girl to give me a kiss."

"Just as she agreed her father came in and began to talk politics."-Louisville Courier-Journal.

Hard to Whip. "When you're whipped," said Mr.

"If I have enough strength left to ly done away with. say I've had enough." replied Mr. Ratferty, "then I'm not whipped yet."-Washington Star.

Kriss-What did you get out of your aunt's estate? Kross-After settling things up the lawyer blew me to a good dinner and jouned me \$5. - Brooklyn

don't say what you wanted.-David Graham Phillips.

Single Story **School Houses**

(From The Timberman.)

(The following article on "Single Story School-Houses" first appeared in the May issue of The Timberman. It is here reproduced by the kind permission of that magazine, which also has loaned the cats with which it is illustrated .- The Editor.)

Why two stery school houses?

Why three story school houses? We are victims of style in architecture as well as in habits of thought. In no particular have we been more slavish in following a beaten path than in school architectural designing. Years ago the plans of our schools brought about the crection of multi-storied school houses, but the greater adaptibility both in the matter of convenience and cost, health and safety-first ideas have been undergoing a gradual change, and the question that now faces us is: why more than a one

story type building? The common type of school house for playgrounds or flower gardens and a limited space at the rear. Basements, however treated, are celin Portland, Oregon, are constructed square feet, in the form of a hollow square, prethe two and three story schools there | entional. is a constant dread of fire. In the tied within ten seconds from the sounding of the fire alarm; another advantage: so called fire proof construction is unnecessary. The high value of wood as a building material is at once apparent-which not only means lower cost, but adaptibility when enlarging or remodeling be comes necessary to meet changing conditions. The hollow square is utilized for play grounds, partly roofed with gears, where the children are in the open air, under the eye of the teachers and away from the dangerous traffic of the streets. The absence of staircases has a beneficial effect on the health of many children, especially girls. There is less need for building in anticipation

with a minimum of fcost Wood is a material of warmth and color which are grateful to the eye and touch. Wood is an excellent non-conductor- of heat and cold. In times found to be rather less than six. the life of a child a tree and its teen feet of twelve inches - London growth are exemplified in lumber of various grains and texture affords an

which serve admirably their proper

purpose.

The one story building

interesting study of nature. The experience of teachers testiwritten not by the philosopher himself, round both teacher and pupil in the one story school house: It has a "homey" feeding. It is less stiff Great. Arrian tells us that be took and conventional and allows a greatdown the sayings of his master at the er latitude in design as exemplified time they were delivered, and thus we in the California bungalow type,

To the lumber interests of the country the one story school building should appeal with great force, Here is a place where wood is preeminently adapted for its constructional purposes. There are hundreds of new pehool buildings erected each year and there are a large number of school buildings constantly remodeled. Here is an opportunity for trade extens'on, along practical lines which should be advanced steadily.

City School Superintendent L. R. Alderman, of Portland, has broken way from the conventional school buildings and has demonstrated the value of the one story school building. In speaking with The Timbermen on the subject, Mr. Alderman

Stairways are the traps where children are caught in case of fire or fire panic. Why have stairways? are not necessary in school buildings. There has never been a life lost by fire in a one story school house in the history of the United States. In our one story buildings the exits are so arranged that the children can run out and the entire room be vacated in a few seconds. Dolan, "you ought to say you've had The nervous tension caused by fear on the part of the teacher is entire-

There is not a teacher in this country who teaches on the secondfloor of a two story building or on the first floor of a building where there is a high basement who does not constantly live in fear of a fire panic. The stairways may be blocked, the door may catch or some child may break the ranks and run back into the room. Why burden the teacher with this fear? In a fire If you invite people's opinion you've drill at the Fulton Park one story no right to sneer at them because they cchool all the children were out of the building in seven seconds after

the fire alarm.

Resultant Savings Pointed Out.

"As to the question of cost, why spend \$7500 a room for a school house that will be out of date in 25 years at best, when a good, sane, sengible and beautiful school house built on the one story plan can be providone half of the costs of our recent ing done away with. buildings.

"It might be said that the one the one story play. the old two story type.

it is not of much use for play. On ideal playroom for our climate, the other hand, if the building is

Mothers' Worry Considered.

"It is surprising to see how nara 14 inch square picture is larger in ey and save life." aren than the picture itself. The school building can be put where the is built on a full lot and has a base- frame is and the central playground ment and two stories. It is like the be the picture. We find that a one letter H. There are two small courts story building of sixteen rooms can be built this way on a 200 foot block with a 10 foot passageway or cloister on all sides, and still leave a play The one story school houses ground court in the middle of 120

"Think how much more at ease summbly covering a full block of mothers of little children are when land, but they occupy no more they know that the children are not ground than the H. type, and the cont out at playtime toward a busy residue is one large useful tract. It street, where vehicles race up and can be built at a cost of about \$2500 down and projectiles such as motora room, whereas the H. two story cycles are shot back and forth like type costs about \$7500. The light-cannon balls. If they are let out ining is obviously easier and the ven- to an open court all this danger is tilation is ideal. School rooms can done away with. The central playbe converted into open air schools ground can be better supervised, too, ty for several years has accepted a by simply opening the windows. In and the play thus made more edu- position as State County Agent Lead-

single story type it has been demon- decided advantage in that there is rives.

one room are moving. There are extraordinary interest in his work, no class rooms above them nor below them to be disturbed.

Free Movement Allowed. "The greater freedom of movement thus allowed adds much to the efficiency of the school. Also, it is ed for about \$2500 c room? The a boon to many pupils, girls especialcost will range from one third to ly, to have the labor of stair climb-

"Many variations can be made on In our new story school takes more land and is buildings there is no basement untherefore more expensive. But the der the class rooms, but there is a estonishing fact is that there can be furnace at one end of the building. more available play space left on a For assembly and for evening meet-200 foot square block with the new ings there is in each building a good one story type of building than with sized auditorium on the ground floor. "A 16 room two story building on Kennedy, instead of being in a basea 200 foot block leaves very little ment and needing one more set of with the people here for a bronder days. The heaviest rainfall for any play ground. The building stands in stairs, is simply a part of a court and more lucerative field. Mr. Lovthe middle of the block and the mar- roofed over and sky lighted-an ett has been of incalculable benefit gin on the sides is so narrow that open air space, dry under foot, an to this community, as he will be to

put on the outside of the lot a square for school purposes and not for which will be difficult for his successg left in the center for playground. monuments? Why build them high sor to maintain and our people part just because school buildings have with him and his estimable wife with build one story buildings because will meet with success in his new row a margin equals in area a cen- they spare anxiety, preserve health, field of labor goes without saying. tral square. A three inch frame on secure better school work, save mon-

MOCKS TO LEAVE.

C. J. Mock, of Tumalo, has traded his farm for property in Walla Walla, according to reports brought to town With his family Mr. recently. Mock will leave soon for his new

LOVETT

Loved His Work.

A. E. Lovett, who has been County Agricultural .gent for Crook couner for Colorado, and will leave for "The type of building has another Colorado as soon as his successor ar-

strated that the school can be emp- no disturbance when the pupils in Mr. Lovett has always shown an ing .- Adv.

not only because of his salary but because of his love for the work After the county was divided he continued his interest in this section. contributed to the papers, and was always glad to advise concerning farm problems. He has organized the various communities of Crook county and has perfected a central organization. The benefit which has been derived as a result of his work is admitted by even those formerly opposed to employing a county agent. Deschutes Valley Tribune.

Set High Standard.

Universal regret is expressed that The rainyday playroom at County Agent Lovett has found it to his interest to sever his relations any people with whom he may be "Why not build school buildings associated. He has set a standard been built high in the past? Let us deep feelings of regret. That he Redmond Spokesman.

> For farm land loans see J. Ryan Reasonable rates, prompt service .- Adv.

His Backache Gone,

Just how dangerous a backache sore muscles, aching joints or rhumetic pairs may be is sometimes realized only when live insurance is refused on account of kidney trouble. Joseph G. Wolf, of Green Bay, Wis., writes: "Foley Kidney Pills relieved me of a severe backgehe that had bothered me for several months." Take Foley Kidney Pills for weak, lame back and weary sleepless nights. Sold everywhere.—Adv.

A desirable bread knife free with every annual subscription to The Bend Bulletin.

Buy your salad dressing and salads in any quantity from "Dot Dainry,"-Adv.

See Edwards for good house paint-

THE JUNE WEATHER AT BEND

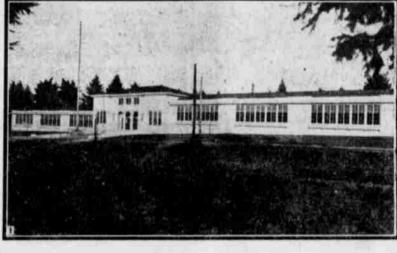
More Rain Recorded Than Ever Before in Same Month-Hot Days Also

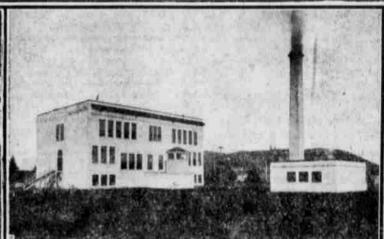
June was the wettest June that has ever been recorded at the local weather station. There were nine successive days in which rain fell with a total precipitation of 2.8 inches. The hottest day was June 16 when the mercury jumped to 95 degrees. The lowest maximum temperature was 55 degrees. The average maximum temperature was 74.6 degrees and the average minimum temperature was 35.08 degrees. In all there were 16 clear days, 12 cloudy days and two partly cloudy one 24 hours was on June 25 when ,56 inches of rain fell.

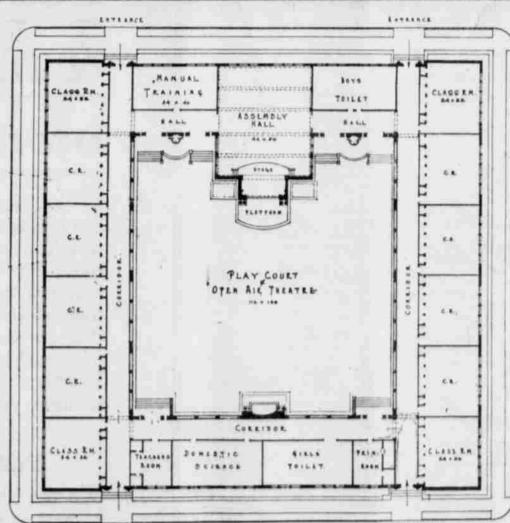
The daily temperature and charactor of day were as follows

Date	Max.	Min.	Char, of Day
	73	2.8	Clear.
	70	2.5	Clear.
	67	25	Clear.
	77	27	Clear,
	79	27	Clear,
	78	33	Clear.
	76	3.4	Clear.
	77	25	Clear.
	80	22	Clear,
10	79	25	Clear.
11	81	26	Clear.
12		76	Clear.
13		40	Clear.
14		44	Clear.
15		0.0	Clear.
16		53	Clear.
17		51	Cloudy.
18		41	Cloudy.
19	70	37	Cloudy.
	66	35	Ptly, Cldy,
21		3.2	Ptly. Cldy,
22	68	39	Cloudy.
23		43	Cloudy.
24		58	Cloudy,
25		49	Cloudy.
26		46	Cloudy,
27		37	Cloudy.
28		35	Cloudy.
29		45	Cloudy.
30		48	Cloudy.
31		4.4	Cloudy.

Want Ads only ONE CENT a word,







Types of Modern One and Two Story School Buildings

Portland, Oregon, U. S. A.

- 1. One story school building built on hellow-square plan without brzement.
- Two-story and basement type with detached heating plant. resemblance to factory building.
- One-story, three room portable school of frame construction. Note air posts for ventilation. Interior of poriable school on
- left showing excellent lighting and ventilation feellities.







Cuts loaned by The Timberman.