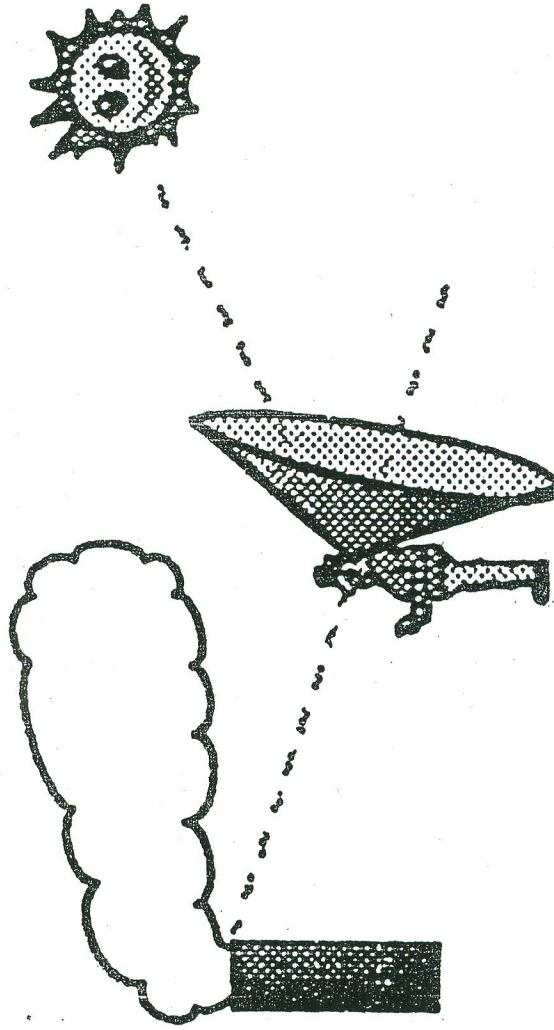


APPROXIMATE ANGLE OF SUN ABOVE HORIZON
(For Solar Time use PST, not PDT)

Latitudes:
Seattle 48
Portland 46
Eugene 44
Medford 42

Date	Solar Time (A.M.)	42	45	48
June 21	Noon	72	69	66
	11	68	65	63
	10	59	58	56
	9	49	48	47
	8	37	37	37
May 21 or July 21	7	26	27	27
	Noon	68	65	62
	11	64	62	59
	10	56	55	53
	9	46	45	44
April 21 or August 21	8	35	35	35
	7	24	25	25
	Noon	60	57	54
	11	57	55	52
	10	50	48	46
March 21 or Sept 21	9	41	40	38
	8	31	30	29
	7	19	19	19
	Noon	48	45	42
	11	46	43	40
Feb 21 or Oct 21	10	40	38	35
	9	32	31	29
	8	22	21	20
	7	11	10	10
	Noon	37	34	31
Jan 21 or Nov 21	11	35	33	30
	10	30	28	25
	9	23	21	19
	8	14	13	11
	7	4	3	2
Dec 21	Noon	28	25	22
	11	26	24	21
	10	22	20	17
	9	16	13	11
	8	7	5	3
Dec 21	Noon	24	21	18
	11	23	20	17
	10	19	17	14
	9	13	10	8
	8	4	3	1

The angle defined by the plume, the observer, and the sun must be greater than 110 degrees.



Recommendations:

During May, June, July and August, avoid making observations one or two hours either side of solar noon. When the sun is high in the sky, try to reduce the viewing angle and keep the sun directly at your back.