

Juneau, Alaska

July 20, 1990

Annette and I arranged with Wing Airlines, pilot Russell Shaub to fly us in a Cessna single prop. plane over the Glacier Bay and Juneau ice field especially the upper alpine zone. We were in the air 1 hr, 30 min. (11:26 AM to 12:56 PM). The most satisfactory way to record photographic records is to follow a preset route and then, at a constant speed, record photos taken by time. There are techniques of converting information onto a map of journal paper but it takes time and patience. The following photos (Kodachrome 64) were taken:

- 900720-1 11:30 AM. N.NE. Over Lynn Canal showing Herbert Glacier to right and Eagle Glacier to left. Pearl Harbor in foreground. Snowline $\frac{1}{3}$ - $\frac{1}{4}$ way down from crest of mountain.
- 900720-2 11:32 A.M. NE. Ibid but farther N along Lynn Canal. Herbert and Eagle river flood plains. Gull Island in right foreground.
- 900720-3 11:35 A.M. TOWSW. Chilkat Range from Lynn Canal. Lynn Sisters in foreground at spit. River drains from glaciers.
- 900720-4 11:41 A.M. WSW. Glacier valley and glacier beyond. all above in Chilkat Range.
- 900720-5 11:42 SW Glacier in Chilkat Range - Recent mud and soil flow out on to head of glacier on N side away from direct sunshine.
- 900720-6 11:43 SW. Long open glacial valley leading to glaciers, ^{in Chilkat Range}
- 900720-7 11:44 SW Former glaciers now receded. Chinese hat lower left with spotted snow covering on trim. Chilkat Range, all east side.
- 900720-8 11:47 AM. SW. Endicott River and headwaters draining E. In Chilkat Range.
- 900720-9 11:51 AM W. Head of Adams Inlet showing major island and lake on top thereof. Klotz Hells beyond island. Muir Inlet N.S. in distance. Drainage now W side of Chilkat Range. Mt Crillon ? in far distance center. (in Fairweather Range).
- 900720-10 11:55 A.M. SSW. Muir Inlet upper right. Adams Inlet right and Klotz Hells center. Mt. Crillon? right distance.
- 900720-11. 11:56 A.M. NE. Casement Glacier heading into crests of Takhusha Mountains and Chilkat Range. Haines Borough beyond. 4 major glaciers contribute to this glacier.
- 900720-12 11:59 A.M. SW. Upper reaches Muir Inlet with McBride Glacier entrance of a recent lake. Only a few years ago the glacier fronted the Muir Inlet. Note double spit at entrance and the barren rocks recently uncovered.

(continued after maps)