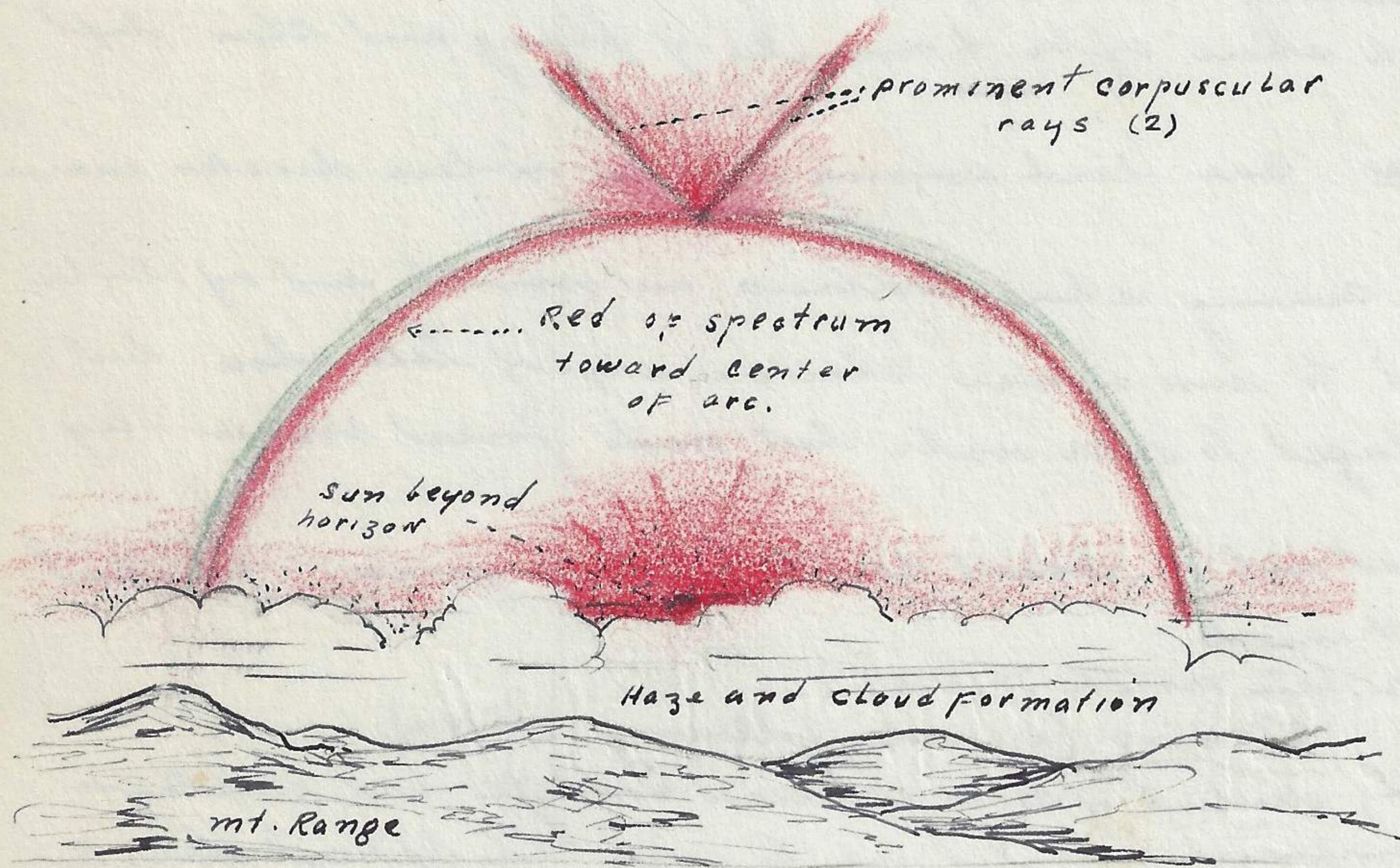


420322-27

While crossing Columbia river this morning observed for the first time the normal appearance in numbers of the gull. Prior to this date had only observed one or two birds on river but today the picture was entirely different. Hundreds of gulls swarmed the river and adjoining area. The smelt run in river which occurs at this time may have been responsible for the abrupt appearance and great numbers of these birds. Change of seasons is in evidence. Nellie Vaughan reports Selasphorus rufus at his home for the first time this spring on March 20, 1942. Remains near his home and feeds upon blossoms of shrubs etc.

3/27/42

Observed this evening between the hours of 7:00 P.M. and 7:30 P.M. which was incidental to the sunset, one of the most unique natural refraction phenomena and life picture I have witnessed for some time. The western sky presented the fallow display which retained its.



Across this arc flew for a period of about 20 minutes a continuous formation of Larus. Each formation consisting of about 200-300 individuals. Their flight formation either long single undulating line or a more common wedge shape formation like many of the water fowl. I have never observed this perfected mass movement in

such formation. The undulating movement is referable to those of the pelican formation. Maximum flight at 7:15 P.M. just as the sun had set behind the distant horizon. Probably 10,000 gulls involved in this flight.

3/29/42

Nellie and I made trip of same itinerary of 3/16/42. Recorded the following birds:

- Passer domesticus residential area
Turdus migratorius caurinus
Phasianus colchicus torquatus
Tachycineta thalassina lepida Several in air throughout day.
Corthylis calendula gunnelli Six singles.