

There were 221 sporadic meteors and 170 shower meteors by observing with naked eyes for about 274.1 hours and there were seen most after 3 a.m. A yellow sporadic meteor that appeared on the eastern sky in the north of Auriga on 27th October 1990 at 10.41 p.m. was photographed with the interrupting shutter at 6.7 times/second. The meteor trail positions and time span were measured on film. The velocity v_0 was calculated to be 43.3 km/s by using the height of 100 km from the earth. Then the heliocentric velocity of the meteor (v_H) was 62.2 km/s and the inclination angle 29.8° from ecliptic plane. Thus it had the hyperbolic motion. The theory of meteor in an isothermal homogeneous atmosphere was also studied to find meteor mass, the atmospheric density, ionization, height and velocity of meteor at any time.