# Summary in English

**Nils Baas and Christian Skau,** *Selbergintervjuet II- Såldmetoden, Primtallsatsen og Erdös* (Norwegian).
This is part two of four of an interview with Atle Selberg. It is mainly mathematical. It takes up the story after his completion of his doctorate and how he through the methods of sieves was able to get an elementary proof (i.e. not using complex analysis) of the prime number theorem. A few years later he was awarded the Fields medal, partly because of this. However, partial results of his leaked out, and Paul Erdös picked up on them, and saw how they could be exploited for that purpose. His interference greatly irritated Selberg, who tried to throw him off the scent by telling him that it did not work. This backfired as it only provoked Erdös, who was able to prove a crucial formula, and led him to believe that he had succeeded where Selberg had failed. Erdös then considered the proof of the Prime Number Theorem (including the basis provided by Selberg) to be joint work, which Selberg refused and was later able to provide an elementary proof also without Erdös result. The controversy has been a painful subject to Selberg and he has deliberately suppressed it. But at the interview he displayed a confidential referee report on the matter written by H. Weyl to N. Jacobson and which was given to him as Weyl left the Institute. In that report Weyl corroborates Selberg by presenting his view that the achievement was fully due to Selberg himself.

**R. Høibakk, T. Jorstad, D.Lukkasen and P. Lystad,** *Integer crossed ladders; parametric representations and minimal integer values.* (English).
Two crossed ladders of given length are leaning against two opposite vertical walls at a given height. Determine the distance between the walls, and where the ladders touch the walls, with particular emphasis on integral solutions.

**Frank Bengtson,** *Om Bingospil* (Danish).
This explores various combinatorial as well as probabilistic aspects of the game Bingo, in which random 'tablets' with numbers arranged rectangularly are to be matched with a given sequence being called out.

**Hans Georg Killingbergtræ,** *Parallel axial Helixes in the double winding surface* (Norwegian).
In addition to the usual family of coaxial helixes on a winding surface cut out by concentric cylinders there are also excentric ones cut out by cylinders containing the axis. Those are naturally appearing as contours of the shadow formed by light falling on the surface.