

keeping an eye on the sun

He's been described as "eminent, exciting

er. Rodger's topic for the evening was: cist, he is also a very entertaining speaksides being a highly regarded space physi-And then the Sun went Bang. Rodger to present the lecture because, be-Sansa Space Science, said she had asked first public lecture for 2012 on Monday 30 from the University of Otago in New Zea-January. Dr Lee-Anne McKinnell, MD of land, was the guest speaker at Sansa's Professor Craig Rodger, space physicist frenzy, was described by Rodger as "a lit-

activity, Rodger said: "In the last week on the Earth, with regard to recent solar around the impact the sun's activity has Although much of his work revolves

> things have really been getting exciting. The flare, which caused a global media

ary, at around 05:59 South African time. solar activity: "A large sunspot, which is in the early morning on Monday 23 Janu-Hermanus on 24 January described the gional Space Weather Warning Centre in tle pop, another little pop and a big bang" located in a geo-effective position, erupted The warning issued by Sansa's Re-

a proton event, which is likely to have an of being an X-class flare, the most powersion's M9 ranking puts it on the threshold ful kind of solar flare. The flare triggered duration M9-class solar flare. The explo-"The eruption produced a long-

impact on spacecraft in geosynchronous polar and other orbits passing through Earth's ring current.

power distribution transformers." currents on power lines and stress on and can cause geomagnetically induced earth transmitter to an earth receiver, nals transmitted to satellites or from an of the ionosphere, a layer crucial for sig storms are possible, which can cause unformances. They can alter the features wanted effects on satellites and their per-"In addition, strong geomagnetic

esting and important, but not dangerous or scary. had to be rerouted - the event was interpecially those used by airlines), and some storms can "zap a satellite's memory" (es flights close to the north pole, for example, Rodger said that - while geomagnetic KERRY VAN RENSBURG



guest speaker, shortly before his presentation on Monday evening. Anne McKinnell with Professor Craig Rodger, visiting Sansa Space Science managing director Dr Lee-KERRY VAN RENSBURG