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ABSTRACTS OF CONTRIBUTED PAPERS PRESENTED AT THE GENERAL ASSEMBLY OF THE ROYAL ASTRONOMICAL SOCIETY OF CANADA HELD AT MOUNT SAINT VINCENT UNIVERSITY, HALIFAX, 1993 JULY 2–5.

The Fireballs of February 10, 1993: Cluster or Coincidence? Douglas P. Hube, University of Alberta, and Peter Brown, London Centre.

At approximately 6 p.m. Mountain Standard Time, Wednesday, February 10, 1993, a fireball was observed moving toward the northeast in the vicinity of Edmonton, Alberta. Observations collected during the subsequent several weeks were adequate to predict a fall zone. While collecting eyewitness reports, it became apparent that a second fireball had occurred within minutes of the first, with an entry point at roughly the same latitude but further west, and a southeasterly trajectory. It is suggested that the two events may have been related. At least two, and possibly three, additional fireballs occurred during the same evening. Published fireball statistics collected over many years indicate higher than average activity in February.

CCD Colour Imaging, Jack B. Newton, Victoria Centre.

This paper, illustrated by many slides demonstrating use of the latest versions of computer software to enhance imaging processing (including "Maximum Entropy"), discusses:

- balancing a CCD camera using a grey card in sunlight;
- the types of filters suitable for standard red, blue and green tri-colour imaging;
- the infrared leak experienced when using traditional blue and green filters and the missing Oxygen III line in conventional films;
- the capabilities of the Santa Barbara Instrument Group's new colour wheel and ST-6 CCD camera;
- identifying asteroids and comets using tri-colour imaging;
- amateur/professional collaboration in the use of a CCD in astrometry.

Nova Scotia Planetarium Feasibility Study: Preliminary Results, Mary Lou Whitehome, Halifax Centre.

The Nova Scotia Planetarium Advisory Committee (NSPAC) has contracted with a consulting firm to conduct a study to examine the feasibility of a new planetarium for Nova Scotia. Phase I of this study is currently under way. Areas considered in this study include themes, physical content,