

# Giovanni Sostero - Giò -



Roberto Passuello



Meadow  
Trieste, 29 November 2013



# Giovanni Sostero - Giò - A leader...



Roberto Passuello



Meadow  
Trieste, 29 November 2013



# Giovanni Sostero

## - Giò -

### A leader, a friend.



Roberto Passuello



Meadow  
Trieste, 29 November 2013



**In the year 1964 many things happened:**

In the year 1964 many things happened:



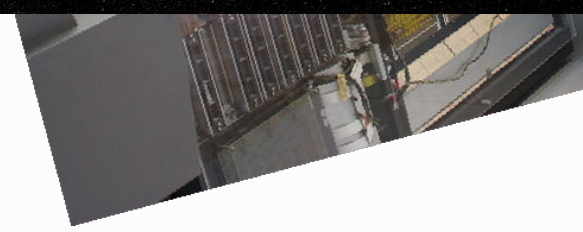
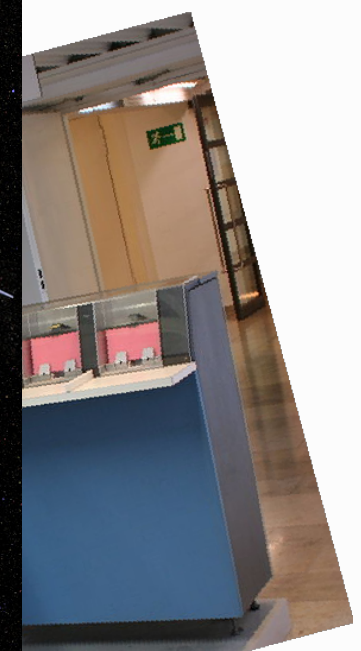
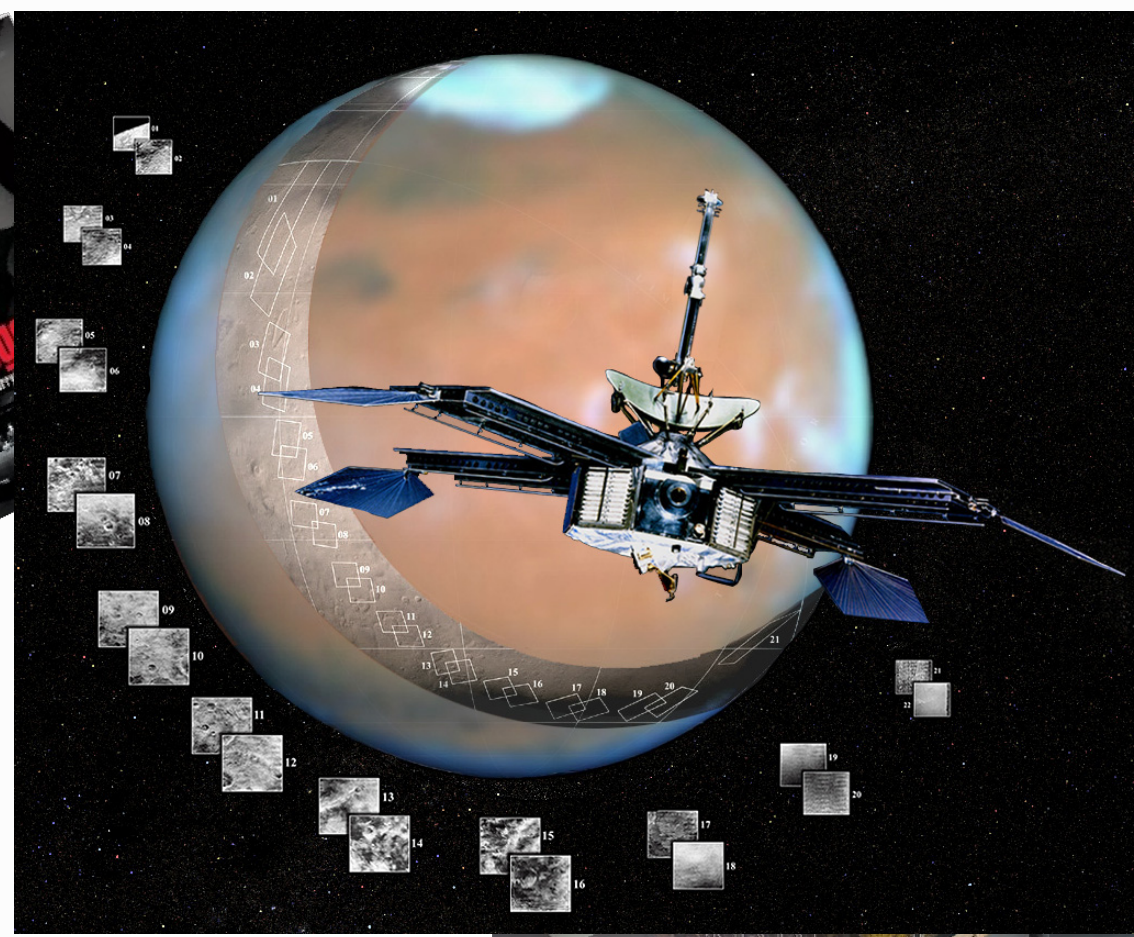
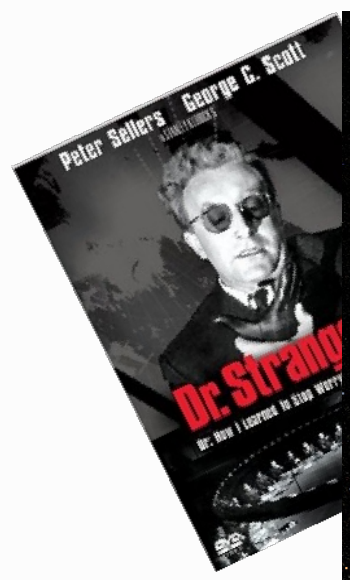
In the year 1964 many things happened:



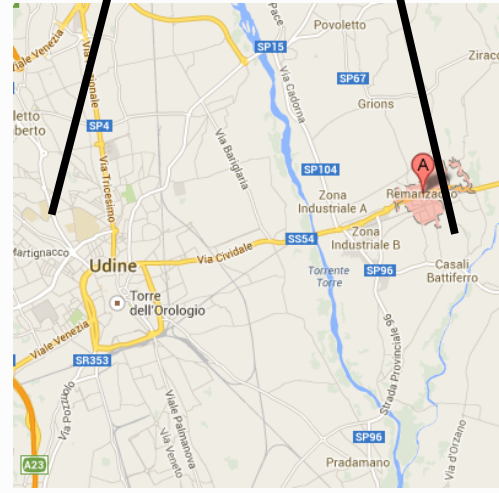
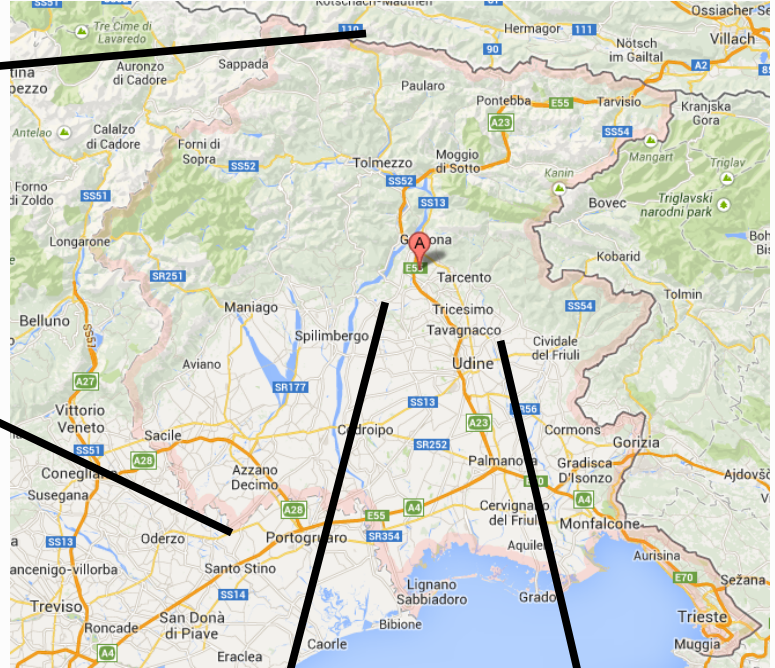
In the year 1964 many things happened:



# In the year 1964 many things happened:







It was March, 18<sup>th</sup> when Giovanni was born,  
the day after St. Patrick's...

He arrived on a beautiful land famous for... **wine**



He arrived on a beautiful land famous for... **wine, food**



He arrived on a beautiful land famous for... **wine, food, sea**

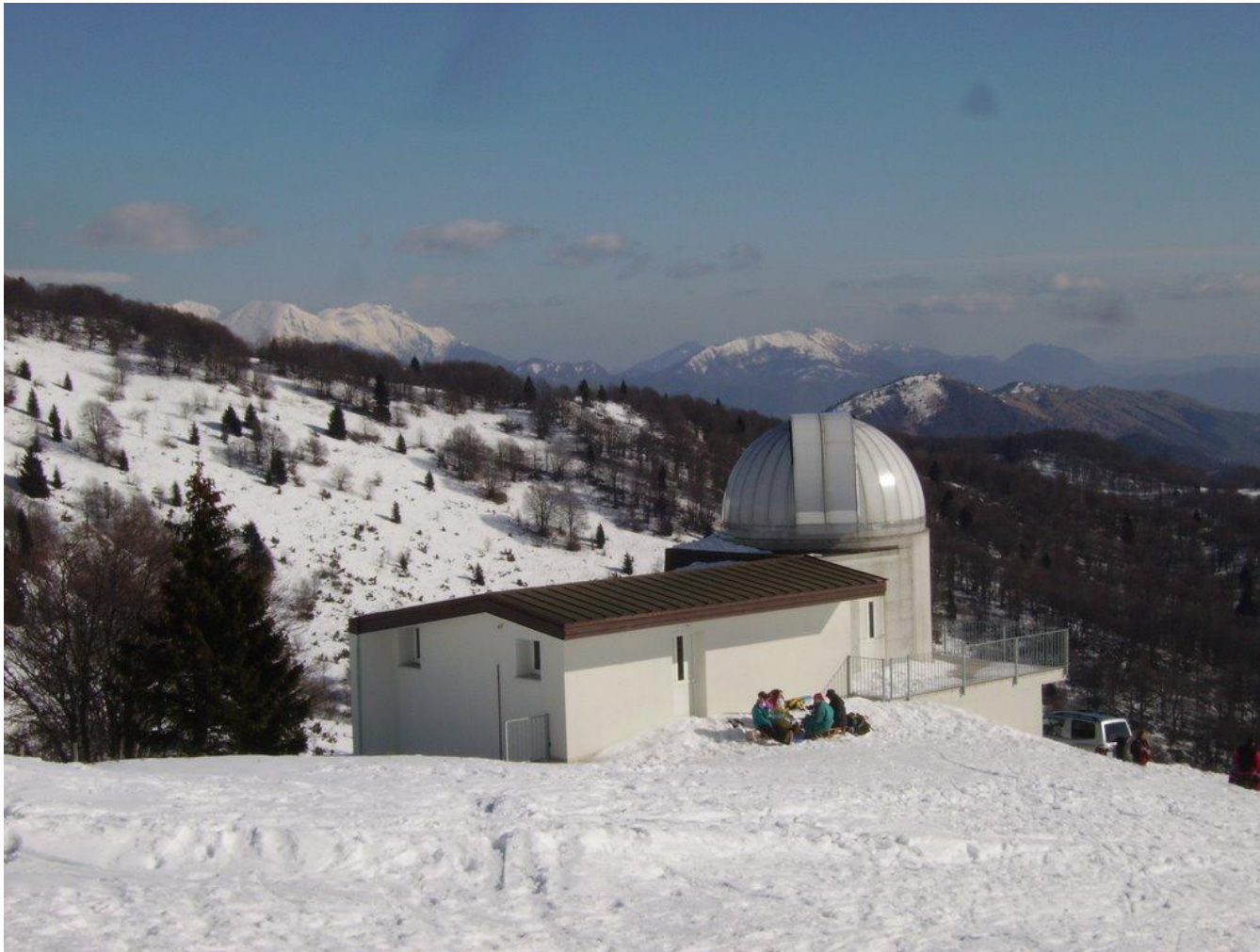


©www.LignanoSabbiaDoro.com

He arrived on a beautiful land famous for... **wine, food, sea, mountains**



**...what else can an amateur astronomer desire?!?**



**Giovanni was only 6 years old where he started being fascinated by the sky, the stars, the planets...**



**Giovanni was only 6 years old where he started being fascinated by the sky, the stars, the planets...**



**At that time it was hard to find literature or to buy an instrument to observe the beauties of the Universe...**



**Giovanni was only 6 years old where he started being fascinated by the sky, the stars, the planets...**



**At that time it was hard to find literature or to buy an instrument to observe the beauties of the Universe...**

**So, in 1977, he joined the Associazione Friulana di Astronomia e Meteorologia  
AFAM**



**The AFAM was founded in 1967 by a small group of people that used to meet at the last floor of an old school, but...**



**The AFAM was founded in 1967 by a small group of people that used to meet at the last floor of an old school, but...**



**...in 1989 the AFAM started to manage the “StAR”, Stazione Astronomica di Remanzacco, a true Observatory!!!**

**The AFAM was founded in 1967 by a small group of people that used to meet at the last floor of an old school, but...**



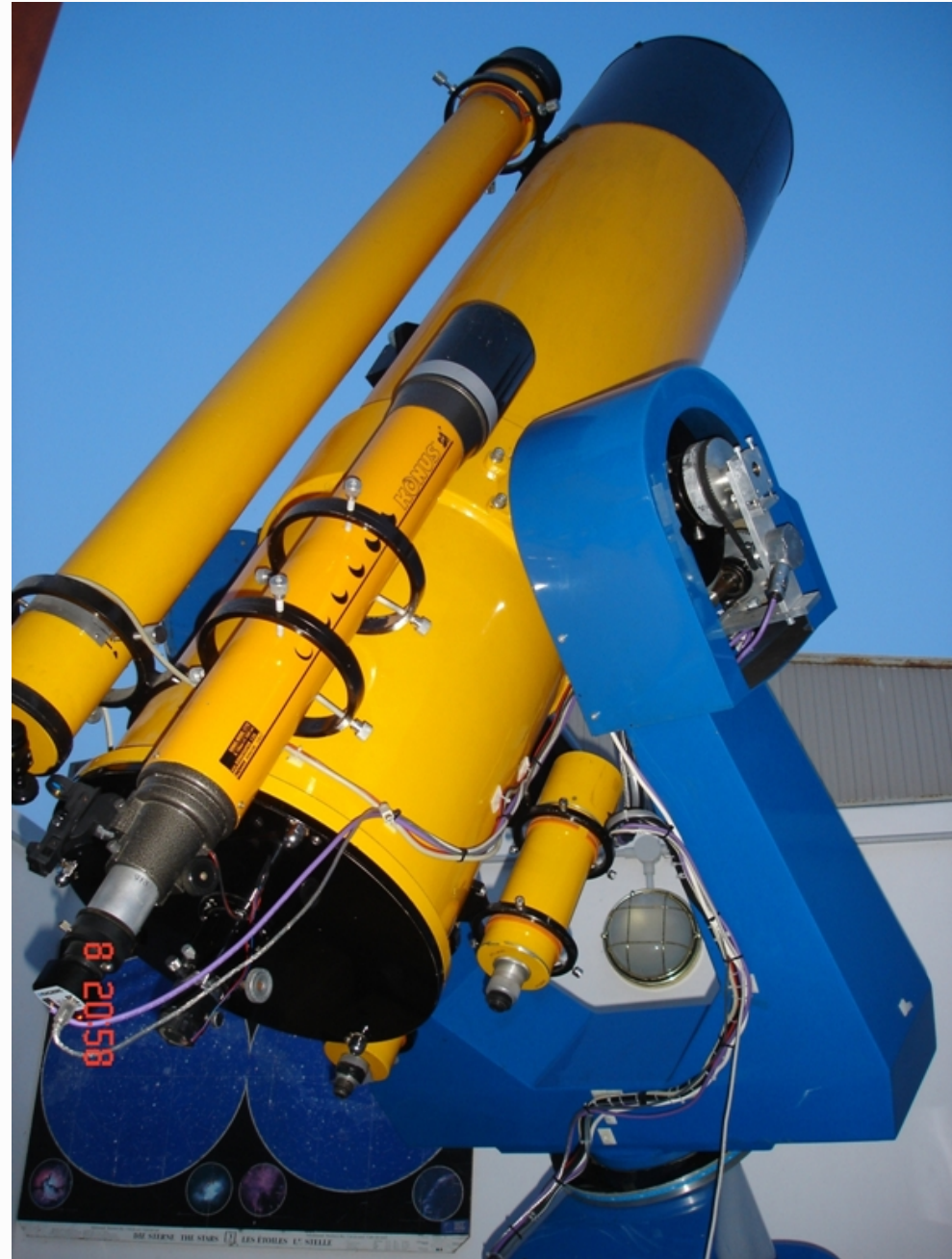
**...in 1989 the AFAM started to manage the “StAR”, Stazione Astronomica di Remanzacco, a true Observatory!!!**

**...and Giovanni became President one year later.**

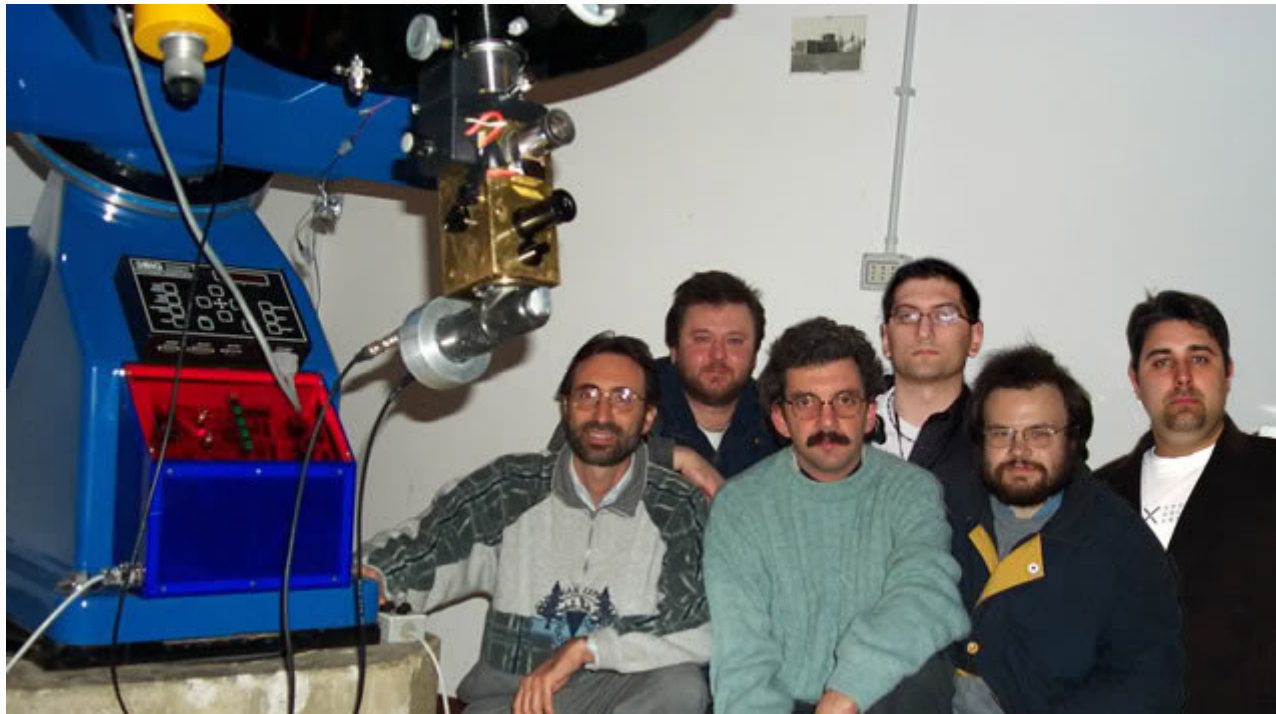
**Photoelectric photometry of variable stars was performed with an RCA 1P21 photomultiplier and a set of 3 filters...**



During those years a huge 450 mm Newton/Cassegrain telescope was installed in the lower part of the Observatory...



**Giovanni managed to create a large group of young people that worked at the telescope every clear night, with any kind of weather...**



Thanks to the good results and the accuracy of the observations, and the collaboration with prof. Ulisse Munari from the Asiago Astronomical Observatory, beginning from 1993, many important publications have been produced...

COMMISSIONS 27 AND 42 OF THE IAU  
 INFORMATION BULLETIN ON VARIABLE STARS

Number 3905

Konkoly Observatory  
 Budapest  
 8 July 1993  
 HU ISSN 0324 - 0676

**BV photoelectric photometry of SN 1993J in NGC 3031 = M 81**

SN 1993J was discovered in NGC 3031 = M81 on March 28, 1993 by Garcia (1993). Being the brightest supernova for northern hemisphere observers over the last 21 years, SN 1993J prompted for an extensive, world-wide effort to monitor its evolution over the widest spectral range.

We have performed BV photometry of SN 1993J during the initial test period of the new photoelectric photometer for the AFAM 0.45 m reflector (Associazione Friulana di Astronomia e Meteorologia, Udine, Italy). The photometer houses an uncooled 1P21 photomultiplier and standard UBV Johnson filters. Photometer operation, data-storage and data-reduction are performed on-line via connection to a PC.

Ulisse Munari<sup>1</sup>, Giovanni Sostero<sup>2</sup>, Antonio Lepardo<sup>2</sup> and Tiziano Valentini<sup>2</sup>

- 1: Asiago Astrophysical Observatory, I-36012 Asiago (VI), Italy
- 2: AFAM, Associazione Friulana di Astronomia e Meteorologia, CP 179, I-33100 Udine, Italy

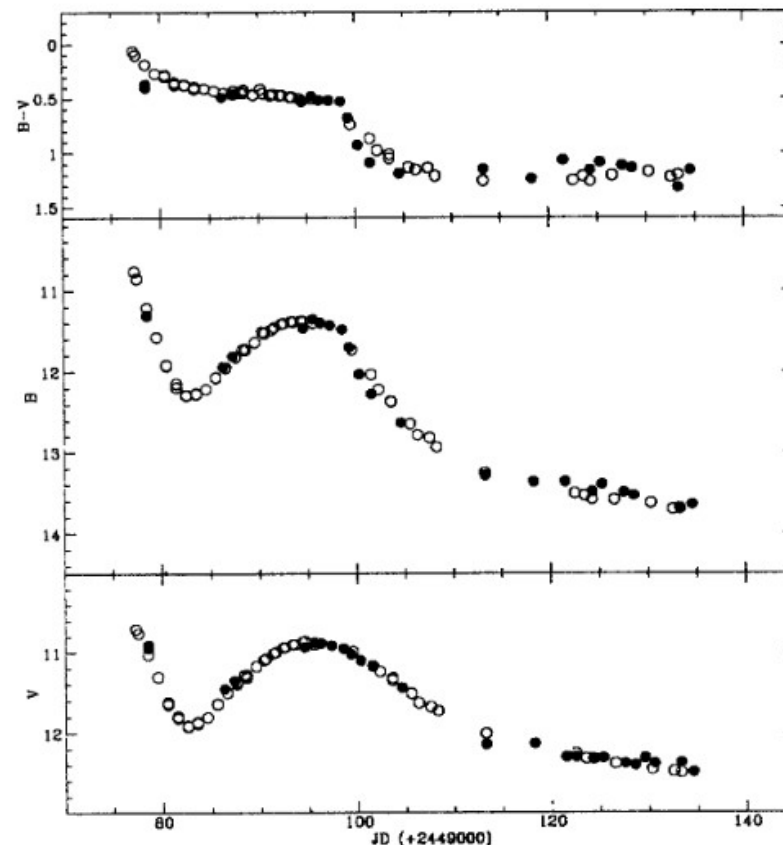


Figure 1. V, B and (B-V) lightcurves of SN 1993J. Filled circles: our data. Open circles: data from La Palma & RGO Observatories (Meikle et al. 1993).



Astron. Astrophys. 284, L9-L12 (1994)

**ASTRONOMY  
AND  
ASTROPHYSICS**

*Acknowledgements.*

We would like to thank C. Manzocco, T. Valentinuzzi and R. Passuello (AFAM) for useful support during observations and data reduction.

*Letter to the Editor*

**UBV-JHKLM photometry of Nova Aquilae 1993.  
The first 220 days**

U. Munari<sup>1</sup>, B.F. Yudin<sup>2</sup>, E.A. Kolotilov<sup>2</sup>, V.I. Shenavrin<sup>2</sup>, G. Sostero<sup>3</sup>, and A. Lepardo<sup>3</sup>

<sup>1</sup> Osservatorio Astronomico di Padova, Sede di Asiago, I-36032 Asiago (VI), Italy;  
e-mail: 38555:munari

<sup>2</sup> Shternberg Astronomical Institute, University of Moscow, Universitetsky prospect 13, 117234 Moscow, Rus;

<sup>3</sup> Associazione Friulana di Astronomia e Meteorologia, C.P. 179, I-33100 Udine, Italy

Received 11 January 1994 / Accepted 25 January 1994

**Abstract.**

The results of our UBV-JHKLM photometric monitoring of Nova Aql 1993 during the 1993 seasonal visibility are presented and briefly discussed. Basic parameters of the nova are derived.

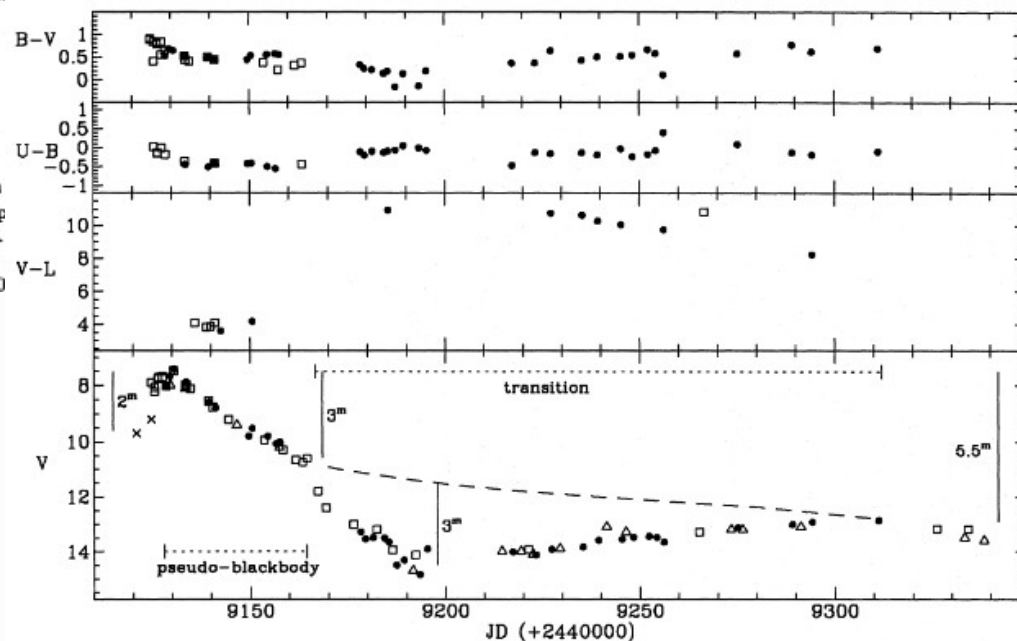
**Key words:** Stars:individual (Nova Aql 1993) – Stars:novae

**2. Observations**

UBV photoelectric photometry was obtained with a 0.45 m reflector and a photoelectric photomultiplier and standard filters. Characteristics of the instrument are briefly discussed. The internal errors are  $\sim 0.02$  mag.

**Table 1.** UBV photoelectric photometry of Nova Aql 1993. Telescopes: a = AFAM 0.45 m; b = Crimea 1.25 m. MJD = JD - 2440000.

MJD	U	B	V	Tel.	MJD	U	B	V	Tel.	MJD	U	B	V	Tel.
9128.50		8.53	8.01	a	9179.37	13.59	13.79	13.54	b	9235.27	14.14	14.27	13.84	b
9129.50		8.35	7.67	a	9181.40	13.61	13.71	13.49	b	9239.25	13.90	14.09	13.59	b
9130.55		8.07	7.43	a	9184.32	13.52	13.65	13.51	b	9245.24	14.04	14.07	13.56	b
9133.53	7.95	8.40	7.88	a	9185.35	13.93	13.84	13.65	b	9248.24	13.78	14.02	13.48	b
9139.56	8.56	9.07	8.59	a	9187.39	14.27	14.34	14.50	b	9252.24	13.92	14.10	13.44	b
9149.58	9.82	10.24	9.80	b	9189.35	14.50	14.45	14.32	b	9254.25	14.00	14.07	13.49	b
9150.51	9.64	10.05	9.52	b	9193.39	14.71	14.71	14.84	b	9256.23	14.16	13.76	13.65	b
9154.50	9.85	10.36	9.81	a	9195.31	14.03	14.11	13.91	b	9275.20	13.80	13.71	13.13	b
9156.58	10.09	10.65	10.08	a	9217.30	13.90	14.38	14.02	b	9289.19	13.65	13.78	13.01	b
9157.56	10.3:	10.56	10.01	a	9223.29	14.37	14.50	14.13	b	9294.19	13.36	13.55	12.93	b
9178.35	13.51	13.62	13.29	b	9227.27	14.40	14.56	13.92	b	9311.18	13.46	13.56	12.87	b



**Fig. 2.** Color evolution of Nova Aquilae 1993 from photoelectric observations. Filled circles = our photoelectric data from Tables 1 and 2; open squares = photoelectric data from IAU Circ. N.5791-5907. The V band lightcurve is reproduced from Figure 1 for reference purposes.

**The first article on Astronomy  
and Astrophysics... what a joy!!!**

Astron. Astrophys. 300, 769–774 (1995)

## Searching for rapid spectral changes related to the flickering activity in MWC 560

T. Tomov<sup>1</sup>, D. Kolev<sup>1</sup>, U. Munari<sup>2</sup>, G. Sostero<sup>3</sup>, and A. Lepardo<sup>3</sup>

<sup>1</sup> National Astronomical Observatory Rozhen, P.O.Box 136, 4700 Smolyan, Bulgaria  
 e-mail: ttomov@bgearn.bitnet

<sup>2</sup> Osservatorio Astronomico di Padova, Sede di Asiago, I-36032 Asiago (VI), Italy  
 e-mail: munari@astras.pd.astro.it

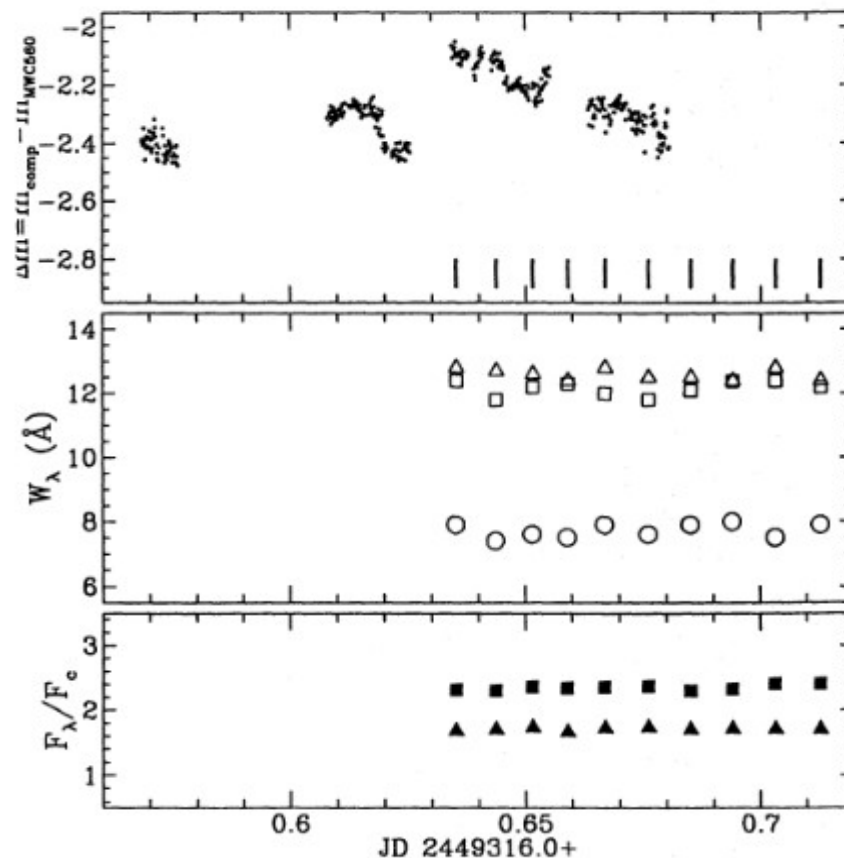
<sup>3</sup> Associazione Friulana di Astronomia e Meteorologia, C.P. 179, I-33100 Udine, Italy

Received 22 August 1994 / Accepted 14 December 1994

**Abstract.** We present the results of coordinated photometric/spectroscopic observations on MWC 560 in search for time and wide absorption components appear on time-scales of  $\sim 1$  day, with velocities

The second article on Astronomy and Astrophysics had been a huge satisfaction and spurred the group to achieve better and better results under Giovanni's guidance...

## ASTRONOMY AND ASTROPHYSICS



**Fig. 3.** Top panel: flickering of MWC 560 in B-band from photoelectric photometry on November 25, 1993. The vertical thick lines mark mid-exposure time of the B&C+CCD spectra. Central panel: equivalent widths of the absorption components of H $\delta$  (*open triangles*), H $\gamma$  (*open squares*) and CaIIK (*open circles*). Bottom panel: peak intensity of the emission components of H $\delta$  (*filled triangles*) and H $\gamma$  (*filled squares*)



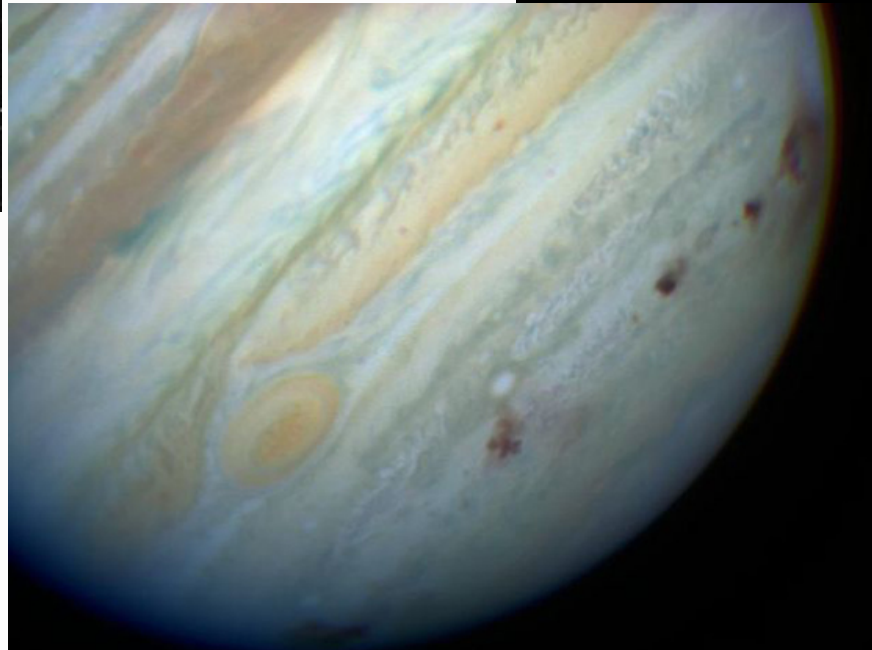
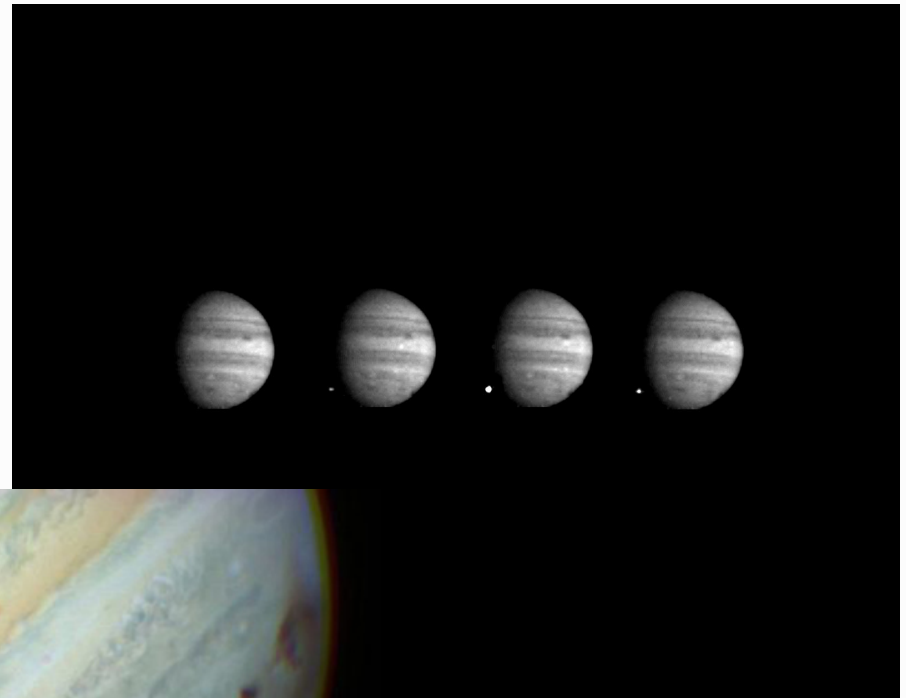
**When the weather turned to bad, it was always time for an ice cream...**

**...or a beer with french fries at the pub!**

**To continue discussing about astronomy, but not only!**



It was in 1994 that the AFAM reached an incredible amount of fame organizing an event to follow the impacts of comet Shoemaker Levy 9 on Jupiter...





**...using the big green on the top of Udine's castle hill: a gorgeous location!**

**Gadgets realized for the event, satellite phone calls to the Space Telescope Science Institute of Baltimore, remote observations on the radio part of the electromagnetic spectrum...**



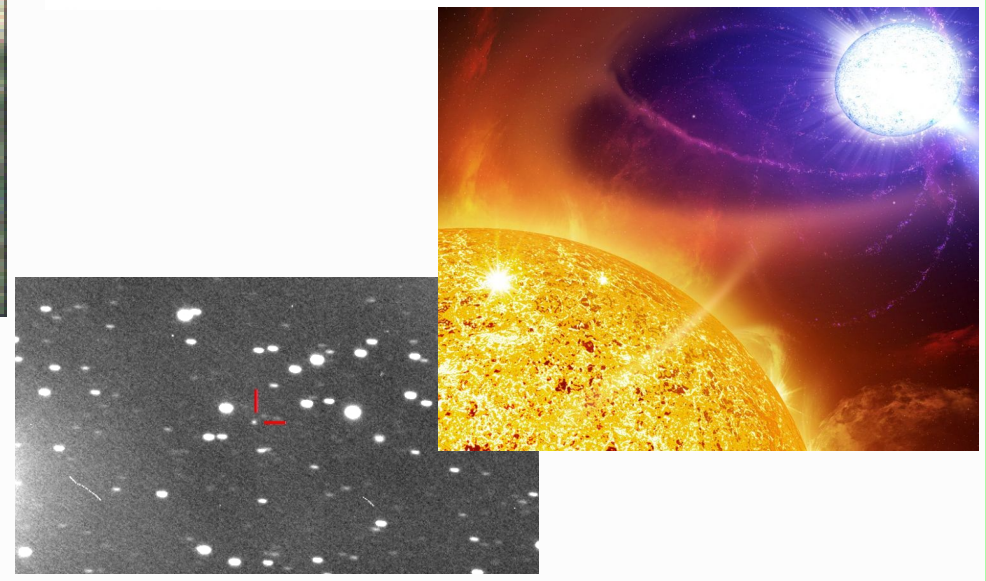
**Giovanni was able to explain complicated subjects with simple word and with clear sentences. People listening to his talks were captured by his warm and low voice and its perfect knowledge of the arguments...**



It was for this exceptional characteristic that he was called for many years at the Visnjan School of Astronomy in Croatia to teach to a bunch of the best students of the Croatian schools...



**VSA**



**Giovanni became a member of the Society that run the summer school and started a long collaboration and friendship with Korado Korlević, the president of the local group of astronomers...**

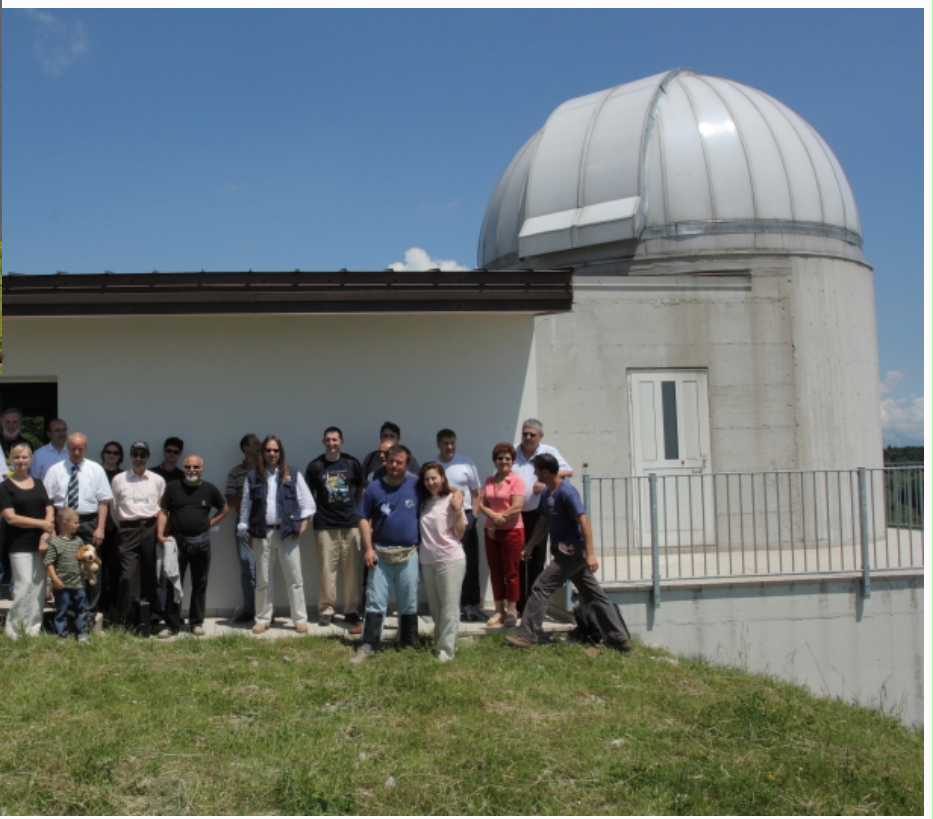




He was called by Korado many times to be a mentor for many groups of students of any age teaching them how astronomy can be done even with basic instrumentation...



The new astronomical observatory on the Mt. Matajur, near Udine, was one of the last projects he was involved in...



The Observatory has been inaugurated this year and hosts a robotic telescope that will work with a deep, clear, mountain sky...



**...like this!!!**



Thanks for being part of our lives, Giò!



***MANDI!***