

Symposium on Nobeyama Radioheliograph
– A New Tool for Understanding of Solar Flares –
(in commemoration of the late Prof. Haruo Tanaka)

PROGRAM

Nov. 26, (Mon.)	13:00-14:00	Registration
	14:00-14:15	Welcome Address (M. Ishiguro) Outline of Nobeyama Symposium (S. Enome)

Nobeyama Radioheliograph
(25 min. each, including discussions)
Chairman : T. Kosugi

14:15-16:00 *A New Radioheliograph at Nobeyama
(H. Nakajima and Radioheliograph group)
*New Radioheliograph Antennas
(T. Takano and the Radioheliograph Group)
*Receiver of the Nobeyama Radioheliograph
(M. Nishio and the Radioheliograph Group)
*Data Processing System of the Radioheliograph
(Y. Hanaoka and the Radioheliograph Group)

16:00-16:15 Coffee Break

What role do radio observations play for understanding of solar flares ? (30 min. each, including discussions)
Chairman : H. Nakajima

16:15-18:15 *Highlights of Microwave Solar Research
with Large Sidereal Arrays (M. R. Kundu)
*Theoretical Models for Solar Flares (T. Sakurai)
*Collaboration with X-ray Observations (T. Kosugi)
*Collaboration with Gamma-ray Observations
(M. Yoshimori)

Nov. 27, 9:00- 9:30 *Collaboration with Optical Observations
(Tue.) (H. Kurokawa)

Review of High-resolution Radio Observations
(30 min. each, including discussions)
Chairman : M. R. Kundu

9:30-10:30 *VLA Observations of Microwave Emission from Flares
(T. S. Bastian)
*Flare Build-up, Pre-flare Activity at Microwave Region
(K. Shibasaki)

10:30-10:45 Coffee Break

10:45-11:15 *Microwave and (Hard) X-ray Images of Solar Flares
(K. L. Klein)

Observation Programs in 1990's
(20 min. each, including discussions)

Chairman : K. Shibasaki

11:15-12:35 *VLA Observing Programs in 1990's (T. S. Bastian)
*The Siberian Solar Radio Telescope (G. Ya. Smolkov)
*Modernization of the RATAN 600 for Solar Observations and
the Results of Solar Investigations Made with the RATAN-600
(G. B. Gelfreikh)
*Owens Valley Solar Array (D. E. Gary and G. J. Hurford)

13:30-16:00 Visit to the Radioheliograph Site and Other Antennas.
Poster and Video Discussions

16:00-17:50 *BIMA Telescope for Solar Observations
(M. R. Kundu and S. M. White)
*SOLAR-A (Y. Ogawara)
*CORONAS Project (V. N. Oraevsky, V. V. Fomichev,
and Yu. D. Zhughda)
*Optical Solar Telescopes and Observation Programs in Japan
(K. Ichimoto)
*Calibration of Multi-Element Radio Heliograph (comment)
(H. W. Urbarz) (10 min.)
*International Collaboration (S. Enome)

18:00-20:00 Banquet

Recent Results
(15 min. each, including discussions)

Chairman : T. Sakurai

Nov. 28, 9:00-10:30 *A Radio Indication of Flare Build-up (G. Ya. Smolkov)
(Wed.) *A Large Scale Flare with Multi Sources of March 16, 1989
(Y. Irimajiri, M. Nishio, T. Takano and K. Shibasaki)
*Fine Structure of Solar Microwave Bursts (C. Fang)
*Heating and Acceleration in a Solar Flare
(H. Nakajima, T. Takakura, K. Ohki and M. Nishio)
*Microwave Bursts and Coronal Mass Ejections (I. M. Chertok)
*CMEs and Interplanetary Type-II Radio Bursts
(T. Watanabe and Lengyel-Frey)

10:30-10:45 Coffee Break

10:45-11:30 *Filament Disappearances Observed by 32GHz Radio Maps
(S. Watari)
*Solar Flares and "Microflares" (H. S. Hudson)
*Numerical Simulation of Reconnection Associated
with Magnetic Flux Emergence (K. Shibata and S. Nozawa)

11:30-11:45 Concluding Remarks (S. Enome)

Poster Papers

1. Strong Magnetic Fields in the Corona (S. M. White, M. R. Kundu and N. Gopalswamy)
2. The 22nd Cycle Program of Modernization of the RATAN-600 for Solar Observations (G. B. Gelfreikh)
3. Solar Radio Microbursts (T. S. Bastian)
4. Microwave and Hard X-ray Diagnostics of Nonthermal Electrons in a Solar Burst (G. J. Hurford, D. E. Gary and J. W. Bromley)

Video

- *A Most Remarkable Flare Observed on Tenerife by Alan Title's Group (L. W. Acton)
- *Dual-frequency Observations of a Flare (T.S. Bastian)