HISTORIC RADIO ASTRONOMY WORKING GROUP

BUSINESS MEETING
Tuesday 4 August 2009
1100-1230

AGENDA

1. Open Meeting
   Apologies: Marshall Cohen, Rod Davies, Mukul Kundu, James Lequeux,
   Monique Pick, Bruce Slee, Jean-Louis Steinberg, Richard Strom, Woody
   Sullivan, Govind Swarup, Jasper Wall, Richard Wielebinski

2. 2005-2008 Triennial Report

3. Program of Work for 2009-2012
   3.1 National Inventories of Surviving Historically-significant Radio Telescopes
       and Ancillary Instrumentation
   3.2 The Preservation of Surviving Radio Telescopes
   3.3 Studies of Individual Radio Telescopes & Radio Astronomers
   3.4 Other History of Radio Astronomy Studies
   3.5 Master List of Publications on the History of Radio Astronomy
   3.6 Conference Involvement (e.g. StromFest)
   3.7 Publication of Papers in Books and in the Journal of Astronomical History
       and Heritage
   3.8 Obituaries

4. WG Committee for 2009-2012
   Ken Kellermann (Chairman – USA), Rod Davies (UK), James Lequeux
   (France), Masaki Morimoto (Japan), Wayne Orchiston (Australia), Yuri
   Ilyasov (Russia), Govind Swarup (India), Hugo van Woerden (The
   Netherlands), Jasper Wall (Canada), Richard Wielebinski (Germany)

5. General Business
   5.1 DVD by Maarten Roos & Pieter-Rim de Kroon
   5.2 Woody Sullivan’s Tome
   5.3 Book by Miller Goss
   5.4 Book by Wayne Orchiston, Woody Sullivan & Jessica Chapman
   5.5 ICOA-6 Conference Proceedings

6. Other Business

7. Close Meeting
This WG was formed at the 2003 General Assembly of the IAU as a joint initiative of Commissions 40 (Radio Astronomy) and 41 (History of Astronomy), in order to assemble a master list of surviving historically-significant radio telescopes and associated instrumentation found worldwide, and document the technical specifications and scientific achievements of these instruments. In addition, it would maintain an on-going bibliography of publications on the history of radio astronomy, and monitor other developments relating to the history of radio astronomy (including the deaths of pioneering radio astronomers).
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Preservation of Historically-Significant Radio Telescopes and Associated Relics

Stanford University: five 60-ft antennas at field station off Highway 280 demolished but …

the concrete piers with carved names of well-known astronomers & radio astronomers are preserved.
Davies, R.D., 2005. A history of the Potts Hill radio astronomy field station. 8(2), 87-96.
Davies, R.D., 2009. Recollections of two and a half years with ‘Chris’ Christiansen. 12(1), 4-10.
Swarup, G., 2006. From Potts Hill (Australia) to Pune (India): the journey of a radio astronomer. 9(1), 21-33.
Deceased Radio Astronomers (2006-2009)

- Emile Blum
- Ron Bracewell
- Chris Christiansen
- Fred Haddock
- Vladimir Kotelnikov
- John Kraus
- Lex Muller
- Brian Robinson
- Slava Slysh
- Henk van de Hulst
- Paul Wild
- Fred Haddock
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PROGRAM OF WORK FOR 2009-2012

- National Inventories of Surviving Historically-Significant Radio Telescopes and Ancillary Instrumentation
- The Preservation of Surviving Radio Telescopes
- Studies of Individual Radio Telescopes & Radio Astronomers
- Other History of Radio Astronomy Studies
- Master List of Publications on the History of Radio Astronomy
- Conference Involvement
- Publication of Papers in Books and \textit{JAH}^2
- Obituaries
Suggested New Research Initiatives

Christiansen & Dutch radio astronomy: Brouw & Casse
Cornell Mayer & the NRL: Radhakrishnan
Arthur Covington & Goth Hill: Broten & Wall
Culgoora Circular Array (non-solar work): Slee
Fleurs Synthesis Telescope: Goss
Ft. Davis: Hughes, Maxwell, Thompson & Swarup
Key developments in Japanese radio astronomy: ????
‘Le Grand Radiotelescope’ (Nançay): Lequeux et al.
Mills & the Mills Cross: Slee, Orchiston & Wendt
NRAO History: Bouton & Kellermann
The Type IV burst: Boischot, Orchiston, Pick, Stewart
U. Florida: Carr (?)
U. Maryland radio astronomy: Kundu et al.
U. Michigan radio astronomy: Aller & Aller
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WG COMMITTEE FOR 2009-2012

Ken Kellermann (Chair – USA)
Rod Davies (UK)
James Lequeux (France)
Norio Kaifu (Japan)
Wayne Orchiston (Vice-Chair - Australia)
Yuri Ilyasov (Russia)
Govind Swarup (India)
Hugo van Woerden (The Netherlands)
Jasper Wall (Canada)
Richard Wielebinski (Germany)
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New Books

HISTORIC RADIO ASTRONOMY WORKING GROUP
Presentations at 2009 IAU General Assembly


Harry Wendt, Wayne Orchiston & Bruce Slee: “Highlighting the History of Australian Radio Astronomy: The CSIRO Division of Radiophysics Potts Hill Field Station, 1948-1962”

Bruce McAdam: “Science With the Molonglo Cross Publications 1960-1984”

Ron Stewart, Wayne Orchiston & Bruce Slee: “Highlighting the History of Australian Radio Astronomy: The CSIRO Division of Radiophysics Dapto Field Station, 1952-1965”
The Development of Synthesis Imaging in Radio Astronomy

Presentation of the 2009 Grote Reber Gold Medal

To Barry Clark

Miller Goss: “Aperture Synthesis 1946; A Proposal by Pawsey and Payne-Scott”
Bob Frater: “Early Developments in Australia”
Ron Ekers: “Cambridge and Australia, Similarities and Differences”
Tim Cornwall: “Synthesis Imaging from the Clark Clean Algorithm Onward”
Barry Clark: “The Impact of Computing to Synthesis Imaging”