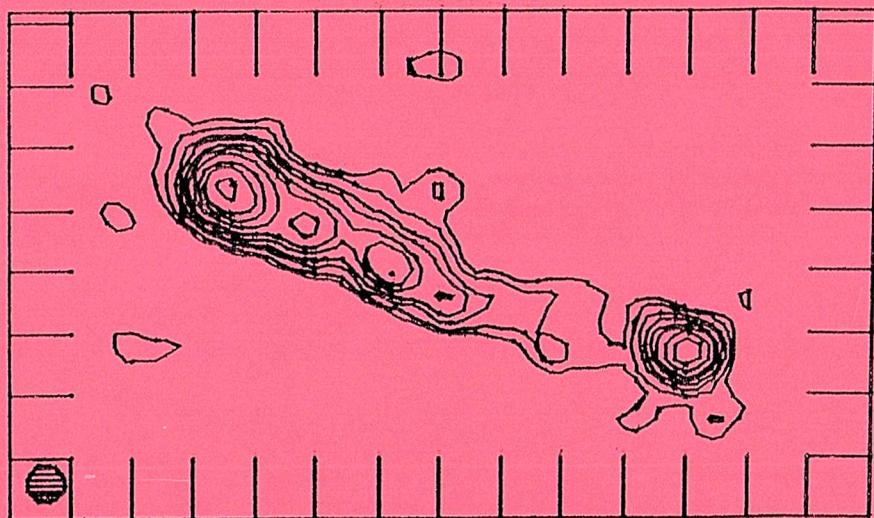


IAU Symposium 110

VLBI and Compact Radio Sources

Bologna 27 June - 1 July 1983



Organized by
Istituto di Radioastronomia del CNR

SCIENTIFIC COMMITTEE

K.I. Kellermann (U.S.A.) (Chairmen)
and G. Setti (Italy)

A.H. Bridle (Canada)
R. Booth (Sweden)
S. Hayakawa (Japan)
D.L. Jauncey (Australia)
I.I.K. Pauliny-Toth (F.R.G.)
P.A.G. Scheuer (U.K.)
R.T. Schilizzi (Netherlands)
I. Shklovsky (U.S.S.R.)

LOCAL ORGANIZING COMMITTEE

R. Fanti (Bologna)
(Chairman)

C. Fanti Giovannini (Bologna)
M. Felli (Firenze)
G. Grueff (Bologna)
C. Lari (Bologna)
L. Padrielli (Bologna)
G. Tofani (Firenze)

LIST OF PARTICIPANTS

P. ALLAN, K.P.N.O., TUCSON, U.S.A.
H. ALLER, University of Michigan, ANN ARBOR, U.S.A.
M. ALLER, University of Michigan, ANN ARBOR, U.S.A.
W. ALEF, M.P.I. fuer Radioastronomie, BONN, F.R.G.
S. ANANTHAKRISHNAN, Tata Inst., DOTACAMUND, INDIA
H. ARP, Mount Wilson and Palomar Obs., PASADENA, U.S.A.
L.B. BAATH, Onsala Space Observatory, ONSALA, SWEDEN
D.C. BACKER, University of California, BERKELEY, U.S.A.
J. BALL, Harvard College Obs., CAMBRIDGE MASS., U.S.A.
J.A.G. BARRETO, Universidad de Mexico, MEXICO
N. BARTEL, C.F.A., CAMBRIDGE, U.S.A.
P.D. BARTHEL, Sterrewacht, LEIDEN, HOLLAND
A. BAUDRY, Universite'de Bordeaux, FLOIRAC, FRANCE
M.C. BEGELMAN, IIA, University of Colorado, BOULDER, U.S.A.
J.M. BENSON, N.R.A.O., CHARLOTTESVILLE, U.S.A.
R.V. BHONSLE, Physical Research Lab., AHMEDABAD, INDIA
M. BIRKINSHAW, Cavendish Laboratory, CAMBRIDGE, U.K.
C.I. BJORNSSON, ESO, Garching bei Munchen, F.R.G.
R.D. BLANDFORD, CalTech., PASADENA, U.S.A.
A. BOISCHOT, Observatoire de Paris-Meudon, FRANCE
R. BOOTH, Onsala Space Observatory, ONSALA, SWEDEN
V. BORIAKOFF, Cornell University, ITHACA, U.S.A.
A. BRACCESI, Dipartimento di Astronomia, BOLOGNA, ITALY
W. van BREUGEL, Steward Observatory, TUCSON, U.S.A.
A.H. BRIDLE, N.R.A.O., CHARLOTTESVILLE, U.S.A.
F. BRIGGS, University of Pittsburgh, PITTSBURGH, U.S.A.
I. BROWNE, N.R.A.L., JODRELL BANK, U.K.

G. de BRUYN, Radiosterrenwacht, DWINGELOO, HOLLAND
G. BURBIDGE, K.P.N.O., TUCSON, U.S.A.
B. BURKE, M.I.T., CAMBRIDGE MASS., U.S.A.
J. CAMPBELL, Geodetic Institute, BONN, F.R.G.
A. CAPORALI, Telespazio S.p.A., ROMA, ITALY
A. CAVALIERE, Osservatorio Astronomico, PADOVA, ITALY
T.V. CAWTHORNE, Cavendish Lab., CAMBRIDGE, U.K.
C. CHIUDERI, Osservatorio di Arcetri, FIRENZE, ITALY
M.H. COHEN, O.V.R.O., CalTech., PASADENA, U.S.A.
J.M. CORDES, Cornell University, ITHACA, U.S.A.
W.D. COTTON, N.R.A.O., CHARLOTTESVILLE, U.S.A.
P. CRANE, N.R.A.O., SOCORRO, U.S.A.
N. D'AMICO, Istituto di Fisica, PALERMO, ITALY
B. DENNISON, Physics Dept. Virginia, BLACKSBURG, U.S.A.
P. DIAMOND, Onsala Space Observatory, ONSALA, SWEDEN
F. DRAGO, Osservatorio di Arcetri, FIRENZE, ITALY
A.F. DRAVSKYKH, Leningrad Astrophysical Obs., U.S.S.R.
A. ECKART, M.P.I. fuer Radioastronomie, BONN, F.R.G.
R. ESTALELLÀ, University of Barcelona, BARCELONA, SPAIN
C. FANTI, Dipartimento di Astronomia, BOLOGNA, ITALY
R. FANTI, Dipartimento di Astronomia, BOLOGNA, ITALY
I. FEJES, Geodetic Observatory, BUDAPEST, HUNGARY
M. FELLI, Osservatorio di Arcetri, FIRENZE, ITALY
L. FERETTI, Istituto di Radioastronomia, BOLOGNA, ITALY
A. FERRARI, Istituto di Fisica, TORINO, ITALY
A. FICARRA, Istituto di Radioastronomia, BOLOGNA, ITALY
R. FLAMMANG, University of Texas, AUSTIN, U.S.A.

E. FOMALONT, N.R.A.D., SOCORRO, U.S.A.
P. FONTANELLI, Osservatorio di Arcetri, FIRENZE, ITALY
D.N. FORT, NRC of Canada, OTTAWA-ONTARIO, CANADA
Y. FUKUI, Nagoya University, NAGOYA, JAPAN
M. GEFFEERT, Obs. Hoher List der Universitats, DAUN, F.R.G.
B. GELDZHALER, N.R.L., WASHINGTON, U.S.A.
R. GENZEL, University of California, BERKELEY, U.S.A.
G. GIOVANNINI, Istituto di Radioastronomia, BOLOGNA, ITALY
M.C. GORENSTEIN, C.F.A., CAMBRIDGE MASS, U.S.A.
S. GORGOLEWSKI, Torun Radio Astronomy Obs., TORUN, POLAND
D. GRAHAM, M.P.I. fuer Radioastronomie, BONN, F.R.G.
F. GRAHAM-SMITH, N.R.A.L., JODRELL BANK, U.K.
L. GREGORINI, Istituto di Radioastronomia, BOLOGNA, ITALY
G. GRUEFF, Istituto di Radioastronomia, BOLOGNA, ITALY
C.R. GWINN, Princeton University, PRINCETON, U.S.A.
P. HILL, Institut Geographique National, ST. MANDE, FRANCE
P.A. HUGHES, Cavendish Lab., CAMBRIDGE, U.K.
J.B. HUTCHINGS, Dominion Astrophysical Obs., VICTORIA, CANADA
M. INOUE, Nobeyama Radio Observatory, NOBEYAMA, JAPAN
D.L. JAUNCEY, CSIRO, CANBERRA, AUSTRALIA
K. JOHNSTON, N.R.L., WASHINGTON, U.S.A.
D. JONES, O.V.R.D., CalTech., PASADENA, U.S.A.
J.F. JORDAN, J.P.L., PASADENA, U.S.A.
K. KELLERMAN, N.R.A.D., GREEN BANK, U.S.A.
A. KONIGL, Institute for Advanced Study, PRINCETON, U.S.A.
V.K. KULKARNI, M.P.I. fuer Radioastronomie, BONN, F.R.G.
A. KUS, Torun Radio Astronomy Observatory, TORUN, POLAND
H. van der LAAN, Sterrewacht, LEIDEN, HOLLAND
A. LANE, N.R.A.D., CHARLOTTESVILLE, U.S.A.
T.H. LEGG, NRC of Canada, OTTAWA ONTARIO, CANADA
G. LEVY, J.P.L., PASADENA, U.S.A.

K.J. LO, Astronomy Dept., CalTech, PASADENA, U.S.A.

P. LONDRILLO, Dipartimento di Astronomia, BOLOGNA, ITALY

C.J. LONSDALE, N.R.A.L., JODRELL BANK, U.K.

J. MACHALSKI, Jagiellonian University, KRAKOW, POLAND

F. MANTOVANI, Istituto di Radioastronomia, BOLOGNA, ITALY

J. MARCAIDE, M.P.I. fuer Radioastronomie, BONN, F.R.G.

C. MATVEYENKO, Institute for Space Research, MOSCOW, U.S.S.R.

I.M. MC HARDY, Leicester University, LEICESTER, U.K.

T.K. MENON, University of British Columbia, VANCOUVER, CANADA

A. MICHALEC, Jagiellonian University, KRAKOW, POLAND

L. MILLER, Royal Obs., EDINBURGH - SCOTLAND, U.K.

T.A. MOFFET, O.V.R.O., CalTech., PASADENA, U.S.A.

I.G. MOISEEV, Crimean Astrophysical Observatory, U.S.S.R.

R.L. MOORE, O.V.R.O., CalTech., PASADENA, U.S.A.

M. MORIMOTO, Nobeyama Radio Observatory, NOBEYAMA, JAPAN

R. MUTEL, University of Iowa, IOWA CITY, U.S.A.

T.W.B. MUXLOW, N.R.A.L., JODRELL BANK, U.K.

S. NEFF, Radiosterrenwacht, DWINGELOO, HOLLAND

G.D. NICOLSON, Radio Astronomy Obs., JOHANNESBURG, S. AFRICA

A.E. NIELL, J.P.L., PASADENA, U.S.A.

J.L. NIETO, Obs., du Pic du Midi, BAGNERES de BIGORRE, FRANCE

L. NOBILI, Osservatorio Astronomico, PADOVA, ITALY

M. NORMAN, M.P.I. fuer Physik und Astr., GARCHING bei MUNCHEN, F.R.G.

R.P. NORRIS, N.R.A.L., JODRELL BANK, U.K.

H. OLTHOF, ESA, PARIS, FRANCE

F. PACINI, Osservatorio di Arcetri, FIRENZE, ITALY

L. PADRIELLI, Istituto di Radioastronomia, BOLOGNA, ITALY

F. PALAGI, Osservatorio di Arcetri, FIRENZE, ITALY

N. PANAGIA, Istituto di Radioastronomia, BOLOGNA, ITALY

P. PARMA, Istituto di Radioastronomia, BOLOGNA, ITALY

P. PATRIARCHI, Osservatorio di Arcetri, FIRENZE, ITALY

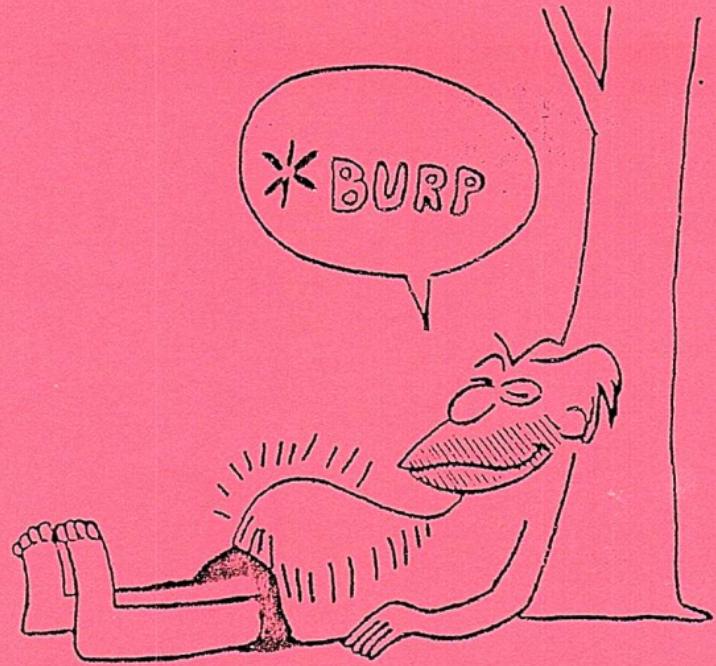
I. PAULINY-TOTH, M.P.I. fuer Radioastronomie, BONN, F.R.G.
T.J. PEARSON, O.V.R.O., CalTech., PASADENA, U.S.A.
R. PERLEY, N.R.A.O., SOCORRO, U.S.A.
G.C. PEROLA, Istituto Astronomico, ROMA, ITALY
R.B. PHILLIPS, Haystack Observatory, WESTFORD, U.S.A.
G. PILBRATT, Onsala Space Observatory, ONSALA, SWEDEN
R.W. PORCAS, M.P.I. fuer Radioastronomie, BONN, F.R.G.
R. PRESTON, J.P.L., PASADENA, U.S.A.
E. PREUSS, M.P.I. fuer Radioastronomie, BONN, F.R.G.
A.C.S. READHEAD, O.V.R.O., CalTech., PASADENA, U.S.A.
J.M. REES, Inst. of Astronomy, CAMBRIDGE, U.K.
M. REID, C.F.A., CAMBRIDGE MASS, U.S.A.
N.A. RENZETTI, J.P.L., PASADENA, U.S.A.
D.H. ROBERTS, Brandeis University, WALTHAM, U.S.A.
J.D. ROMNEY, M.P.I. fuer Radioastronomie, BONN, F.R.G.
B. RONNANG, Onsala Space Observatory, ONSALA, SWEDEN
H. de RUITER, Istituto di Radioastronomia, BOLOGNA, ITALY
R.D. RUSK, University of TORONTO, CANADA
M. SALVATI, ESO, Garching bei Munchen, F.R.G.
M. SANROMA, University of Barceloña, BARCELONA, SPAIN
R. SAUNDERS, Cavendish Lab., CAMBRIDGE, U.K.
P. SCHEUER, Cavendish Lab., CAMBRIDGE, U.K.
R.T. SCHILIZZI, Radiosterrenwacht, DWINGELOO, HOLLAND
M. SCHNEPS, C.F.A., CAMBRIDGE MASS, U.S.A.
G.C. SETTI, ESO, Garching bei Munchen, F.R.G.
D.B. SHAFFER, ANNAPOLIS, U.S.A.
P.A. SHAVER, ESO, Garching bei Munchen, F.R.G.
R.S. SIMON, N.R.L., WASHINGTON, U.S.A.
R.E. SPENCER, N.R.A.L., JODRELL BANK, U.K.
K. SUBRAMANIAN, Tata Institute, BOMBAY, INDIA

S. TALLOQUIST, Metsahovi Observatory, OTAKAARI, FINLAND
J. TAYLOR, Princeton University, PRINCETON, U.S.A.
G. TOFANI, Osservatorio di Arcetri, FIRENZE, ITALY
P. TOMASI, Istituto di Radioastronomia, BOLOGNA, ITALY
G. TORRICELLI, Osservatorio di Arcetri, FIRENZE, ITALY
K. TURNER, Arecibo Observatory, ARECIBO, U.S.A.
R. TUROLLA, S.I.S.S.A., TRIESTE, ITALY
E. TRUSSONI, Istituto di Fisica, TORINO, ITALY
M.H. ULRICH, ESO, Garching bei Munchen, F.R.G.
S.C. UNWIN, O.V.R.O., CalTech., PASADENA, U.S.A.
F. VAGNETTI, Istituto Astronomico, ROMA, ITALY
C. de VEGT, Sternwarte, Universitat, HAMBURG, F.R.G.
M. VERON, ESO, Garching bei Munchen, F.R.G.
P. VERON, ESO, Garching bei Munchen, F.R.G.
M. VIGOTTI, Istituto di Radioastronomia, BOLOGNA, ITALY
C.R. WALKER, N.R.A.O., CHARLOTTESVILLE, U.S.A.
WAN TONG-SHAN, Shanghai Obs., PEOPLE's REPUBLIC of CHINA
G.J. de WAARD, Sterrewacht, LEIDEN, HOLLAND
K. WEILER, N.S.F., WASHINGTON, U.S.A.
D. WEISTROP, G.S.F.C., GREENBELT, U.S.A.
N. WHYBORN, N.R.A.L., JODRELL BANK, U.K.
P.N. WILKINSON, N.R.A.L., JODRELL BANK, U.K.
A. WITZEL, M.P.I. fuer Radioastronomie, BONN, F.R.G.
D.M. WORRAL, University of California, LA JOLLA, U.S.A.
A.E. WRIGHT, A.N.R.A.O., AUSTRALIA
J.M. WROBEL, O.V.R.O., CalTech., PASADENA, U.S.A.
WU SHI-YENN, Peking Observatory, PEOPLE'S REPUBLIC of CHINA
G. ZAMORANI, Istituto di Radioastronomia, BOLOGNA, ITALY
L. ZANINETTI, Istituto di Fisica, TORINO, ITALY
J.A. ZENSUS, M.P.I. fuer Radioastronomie, BONN, F.R.G.

B.C. = BOLOGNESE

COOKING







DEPARTMENT OF PHYSICS

STIRLING HALL

Physics

Engineering Physics

Astronomy

Queens University

Kingston, Canada

K7L 3N6

8 November 1982

Dear Ken,

Here are my thoughts regarding I.A.U. Symposium No. 110:

- 1) Topics: I would like to see a specific grouping of papers on observations and models for superluminal expansions, and of relationships between "VLB" mini-jets and "VLA" maxi-jets in the same sources. Perhaps there should also be a session on image reconstruction techniques for VLB arrays, including figures of merit for image-forming systems.
- 2) Speakers: Martin Rees on physics of active nuclei
Roger Linfield on mini-maxi jet relationships
Richard Proces on evidence for relativistic velocities
Ernie Seagrist on status of the CLBA
Tim Cornwell on non-standard image reconstruction ideas
- 3) Emphasis: I would prefer to emphasise review papers (mainly 30 min) and to encourage contributed papers in poster format, with poster sessions scheduled so as not to conflict with the formal sessions. A plethora of 5-10 min. contributed papers is debilitating.
- 4) Reviews: Invited speakers should be encouraged to spend about 50% of their time on review, and given generally 30 min. for their papers, including discussion. A small number of 45-min papers might be considered. Contributed papers should not be less than 10 min, with as many as possible being given as poster papers, without formal presentation.
- 5) Non-VLBers: Martin Rees, Peter Scheuer, Tim Cornwell, Rick Perley,

5 cont'd) David Rontledge (U. of Alberta, Canada); Peter Dewdney (DRAO),
Roger Blandford, Mitch Begelman, Arieh Konigl, Jim Felten
Dick Henrikson (Queen's U.), Ed Fomalont, John Baldwin.

6) Techniques: One of five days maximum, including new array proposals.
Image formation might be one $1\frac{1}{2}$ -hr. session, e.g. two reviews
and 3 10-min contributed papers.

With best wishes,

Alan B.