

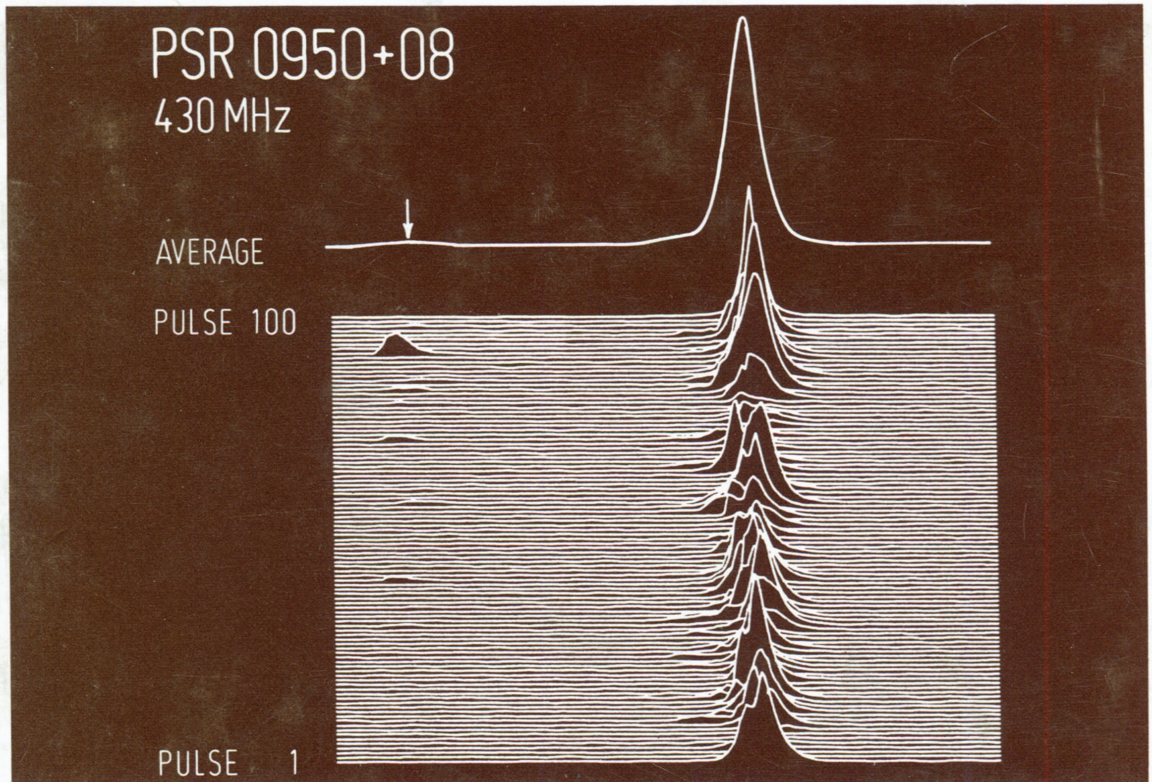
INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 95

PULSARS

13 Years of Research on Neutron Stars

Edited by W. SIEBER and R. WIELEBINSKI



INTERNATIONAL ASTRONOMICAL UNION

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When J. Bell and A. Hewish first discovered pulsars at Cambridge some thirteen years ago, they opened up a whole field of speculation to research. This research was at first rather hectic and the accumulation of knowledge, both observational and theoretical, through the years has been at the same time extensive and largely unordered.

This very crucial volume reflects the concern of the Scientific Organizing Committee of the IAU that a proper review of the data gathering, interpretation and theory on pulsars be undertaken.

Accepted research fields associated with neutron stars such as X-ray and γ -ray emission, pulse timing, neutron star properties, and neutron stars in binary systems are treated in some detail while an extensive collection of papers on radio observation of pulsars and optical radiation is also presented. Unresolved questions concerning pulsars - on magnetospheric constitution, radio emission mechanism and their relation to supernovae - are highlighted in an attempt to critically assess the developments in these fields.

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EDITED BY

W. SIEBER

and

R. WIELEBINSKI

*Max-Planck-Institut für Radioastronomie,
Bonn, Federal Republic of Germany*



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TABLE OF CONTENTS

FOREWORD	ix
LIST OF PARTICIPANTS	xiii
INTRODUCTORY REVIEW / A. Hewish	1
I. ELECTRODYNAMICS OF THE PULSAR MAGNETOSPHERE AND WAVE ZONE	7
Structure of the Pulsar Magnetosphere / L. Mestel	9
The Axially Symmetric Wind Magnetosphere / R. Schmalz, C. Herold, H. Herold and H. Ruder	25
A New Formulation of the Equations Governing the Pulsar Magnetosphere / E. Schrüfer	27
The Electric Fields in Nonneutral Beam Models of Pulsar Magnetospheres / D.F. Smith, L.A. Muth and J. Arons	29
Pulsar Electrodynamics / H. Ardavan	31
e^+e^- Annihilation in Strong Magnetic Fields / G. Wunner, H. Herold and H. Ruder	35
Plasma Distribution Near Pulsars / F.C. Michel and R. Pellat	37
Electric Field Near a Rotating Neutron Star / A.I. Tsygan	47
Hot Relativistic Winds and the Crab Nebula / F.S. Fujimura and C.F. Kennel	51
Propagation of Large Amplitude Pulsar Waves / E. Asséo, X. Llobet and R. Pellat	53
Pulsar Winds / W. Kundt	57
II. RADIO EMISSION MECHANISM	67
The Slot Gap Model of Pulsars / J. Arons	69
Evolution and Radiation in Pulsar Polar Cap Models / M. Ruderman	87
Observational Consequences of Polar Cap Theories / A.F. Cheng	99
The Pulsar Magnetic Window / C.S. Shukre and V. Radhakrishnan	103
The Location, Spectrum and Beamwidth of Pulsar Radiation from Polar Cap Models / B.J. Rickett and J.M. Cordes	107
Pulsar Radio Emission and Bunching Mechanisms / E. Asséo, R. Pellat and H. Sol	111

Radio Observational Constraints on Pulsar Emission Mechanisms / J.M. Cordes	115
Maser Pulse Emission Mechanisms / D.B. Melrose	133
Pulse Emission from the Light Cylinder / D.C. Ferguson	141
Pulsar Electrodynamics: Production of Fast Particles / A.A. da Costa	153
PANEL DISCUSSION:	
From whence the Pulses / D.B. Melrose, J. Arons, J.M. Cordes, D.C. Ferguson, F.D. Kahn and B.J. Rickett	155
III. RADIO OBSERVATIONS OF PULSARS	161
Pulsar Polarization / D.C. Backer	163
Multifrequency Polarization Observations of Integrated Pulse Profiles / P.M. McCulloch, P.A. Hamilton and R.N. Manchester	171
Polar Cap Relief and Integrated Pulse Structure / M. Vivekanand and V. Radhakrishnan	173
Multi Radio Frequency Observations of Pulsars / N. Bartel	177
Simultaneous Multi-Frequency Pulsar Observations / D.J. Thorne	187
Microstructure Crosscorrelation in Pulses Simultaneously Observed at Frequencies Separated by up to 1 GHz / V. Boriakoff and D.C. Ferguson	191
Time Asymmetries in Pulsar Signals / D. Stinebring and J.M. Cordes	197
Pulsar Microstructure Quasi-Periodicity / V. Boriakoff, D.C. Ferguson and G. Slater	199
Pulsar Astrometry / D.C. Backer and R.A. Sramek	205
The Radio Interpulse from PSR 0950+08 / T.H. Hankins and J.M. Cordes	207
PSR 0031-07: The Harmonic Pulsar / G.A.E. Wright and L.A. Fowler	211
Mode-Changing, Drifting Subpulses, and Interpulse Emission in PSR 1822-09 / L.A. Fowler, G.A.E. Wright and D. Morris	213
Some Characteristics of Pulsars with Long Pulse Nulling / Wang Zhen-ru and Chu Yi	215
Radio Radiation Characteristics of Pulsars and Magnetic Dipole Angle / Wang Zhen-ru and Chu Yi	217
IV. OPTICAL RADIATION	219
Optical Observations of Pulsars / F.G. Smith	221
Pulsar Optical Emission as Amplified Synchrotron Emission / R.J. Stoneham	235

TABLE OF CONTENTS

vii

V.	X-RAY AND γ -RAY EMISSION	239
	X-ray and Gamma-ray Observations of Pulsars / R. Buccheri	241
	High Energy Gamma Rays from Pulsars / P.N. Bhat, S.K. Gupta, P.V. Ramana Murthy, B.V. Sreekantan, S.C. Tonwar and P.R. Viswanath	251
	On X-ray Pulsar Radiation Mechanisms / V.V. Zheleznyakov	255
	Pulsar Magnetic Field: Spectral Formation in Her X-1 / J. Ventura	263
VI.	PULSE TIMING	265
	Radio Timing Observations / R.N. Manchester	267
	Macroscopic and Microscopic Behavior Following Four Large Jumps in the Vela Pulsar (PSR 0833-45) / G.S. Downs	277
	Pulse Timing and Neutron Star Structure / P.E. Boynton	279
	Glitches, Timing Noise, and Pulsar Thermometry / G. Greenstein	291
	Pulsar Glitches: Superfluid Unpinning / P.W. Anderson, M.A. Alpar, D. Pines and J. Shaham	299
VII.	PROPERTIES OF NEUTRON STARS	301
	Neutron Star Properties from Observations of Pulsars and Pulsing X-ray Sources / F.K. Lamb	303
	Neutron Star Models / V. Canuto and R.L. Bowers	321
	Thermal Properties of Neutron Stars / S. Tsuruta	331
	Cooling of Neutron Stars: Accurate Treatment of Thermal Conduction / N. Itoh, K. Nomoto, S. Tsuruta and T. Murai	339
	Unpulsed X-rays from Pulsars / D.J. Helfand	343
VIII.	NEUTRON STARS IN BINARY SYSTEMS	351
	Masses of Neutron Stars in X-ray Binary Systems / R.L. Kelley and S. Rappaport	353
	The Magnetic Fields and Original Spins of Binary and Runaway Pulsars / F.K. Lamb	357
	Binary Pulsars / J.H. Taylor	361
	Interpretation of Binary Pulsar Observations / R.D. Blandford and W.M. DeCampli	371
	Evolution of Close Binaries and the Formation of Pulsars / E.P.J. van den Heuvel	379
IX.	PULSARS AND SUPERNOVAE	397
	Asymmetric Supernova Explosions: The Origin of Runaway Pulsars and Binary Pulsars / J.-P. de Cuyper	399

Supernovae -- Birthplace of Pulsars? / R.A. Chevalier	403
Pulsar Activity and Supernova Remnant Morphology / V. Radhakrishnan and G. Srinivasan	417
X. GALACTIC DISTRIBUTION OF PULSARS	421
The Galactic Distribution of Pulsars / A.G. Lyne	423
Galactic Distribution and Genesis of Pulsars / O.H. Guseinov and F.K. Kasumov	437
Asymmetries in the Galactic Distribution of Pulsars / A.K. Harding	439
New Observations of HI Absorption for Pulsars / R.N. Manchester, K.J. Wellington and P.M. McCulloch	445
CONCLUDING REVIEW / V. Radhakrishnan	449
OTHER PAPERS PRESENTED AT THE CONFERENCE	455
NAME INDEX	457
SUBJECT INDEX	469