

**Master List of Historical Radio Astronomy Publications
(updated through 2021)**

Part II – Books and Full Journal Issues

(See separate Part I listing for journal articles, conference papers, book chapters)

100 Years of the International Union of Radio Science, 2021. Ed. Philip Wilkinson, Paul S. Cannon, W. Ross Stone. Gent: URSI Press. [Includes chapter on Commission J by Jaap Baars, p. 589]

Academician A.D. Sakharov: science works, 2021, eds. B.L. Altshuler, M.A. Vasiliev, L.I. Gurvits, I.M. Dremin, V.I. Ritus, V.Ye. Fortov, A.E. Shabad, Moscow, Fizmatlit, ISBN 978-5-9221-1907-8 (in Russian), contains papers by

- L.V.E. Koopmans, "Cosmology at the wavelength of 21 cm at high redshift – from Sakharov to the SKA", pp. 264-275;

- N.S. Kardashev and L.I. Gurvits, "Telescopes greater than Earth for cosmology and microphysics", pp. 387-390;

- Answers by A.D. Sakharov on the questionnaire on CETI (1971) with commentaries by L.M. Gindilis (2021), pp. 462-466

Agar "Science and Spectacle" (about Jodrell) 1998 Overseas Publishers Assoc.

"Astronomical Notes" *Astronomische Nachrichten*, volume 328, number 5, 2007, special issue on Historical Radio Astronomy (from IAU GA 2006)

Baars, J.W.M., 2013. *International Radio Telescope Projects - A life among their designers, builders and users* (CreateSpace Independent Publishers, Amazon).

Baars, J.W.M. and Kärcher, H., 2017, *Radio Telescope Reflectors - Historical Development of Design and Construction*. (Springer) ASSL 447. Published in Chinese by Publishing House of Electronics Industry, Beijing, January 2021.

Braude S.Ya. et al. (eds.), Kellermann K.I. (editor of English translation), 2012, *A brief History of Radio Astronomy in the USSR*, (Springer) Astrophysics and Space Sci Library v. 382, DOI 10.1007/978-94-007-2834-9, 13 papers

Breus T.K. and Gurvits L.I. (eds.), 2019, *Intelligence, Life, the Universe: a collection of memoirs on I.S. Shklovsky*. Moscow: Russian Academy of Sciences, ISBN 5-88929-006-1, (in Russian)

- Edge, D. O. and Mulkay, M.J., 1976. *Astronomy Transformed: The emergence of radio astronomy in Britain (Science, culture, and society)* (Wiley)
- Elbers, A., 2015. *Early Dutch Radio Astronomy (1940-1970): The People and the Politics*. PhD Thesis: Leiden University.
- Elbers, A., 2017. *The Rise of Radio Astronomy in the Netherlands; The People and the Politics*. (Springer) Series on Historical and Cultural Astronomy. ISBN 978-3-319-49078-6.
- Frater, R, Goss, M., Wendt, H., (2017), *Four Pillars of Radio Astronomy- Mills, Christiansen, Wild, Bracewell*. (Springer)
- Goddard, D. E., & Milne, D. K., 1994. *Parkes: Thirty Years of Radio Astronomy*. Melbourne, CSIRO Publications.
- Goss W. M. and McGee, R., 2009, *Under the Radar* (Springer)
- Goss, W. M., 2013, *Making Waves* (Springer)
- Goss, W. M., Morris, D., Sheshadri, G., 2016. *Radio Astronomers at Sea* (self-published, ISBN 978-0-692-82510-5)
- Gregorini, L., Feretti, L., Giovannini, G., Mantovani, F., Parma, P., and Vettolani, G. Perché non costruisci un radiotelescopio?: quarant'anni di Radioastronomia a Bologna. Why don't you build a radio telescope?: 40 years of Radio Astronomy in Bologna (in Italian). (Bononia University Press). Italian edition: <https://buonline.com/prodotto/perche-non-costruisci-un-radiotelescopio/>. English translation: <https://info.ira.inaf.it/wp-content/uploads/2021/07/Storia-IRA-EnglishVersion1.pdf>.
- Hanbury Brown, R., 1974, *The Intensity Interferometer* (Taylor & Francis, London)
- Hanbury Brown, R., 1991. *Boffin: A Personal Story of the Early Days of Radar, Radio Astronomy, and Quantum Optics*. Bristol, Adam Hilger.
- Haynes, R., Haynes, R., Malin, D., & McGee, R., 1996. *Explorers of the Southern Sky: A History of Australian Astronomy*. Cambridge, Cambridge University Press.

Hey, J. S., 1973. *The Evolution of Radio Astronomy*. New York, Science History Publications.

Jarrell, R. A., 1988. *The Cold Light of Dawn: A History of Canadian Astronomy* (University of Toronto Press, Toronto)

Kellermann, K., & Sheets, B. (eds.), 1983. *Serendipitous Discoveries in Radio Astronomy*. Green Bank, National Radio Astronomy Observatory. Pdf version:
<http://library.nrao.edu/public/collection/0200000000280.pdf>

Kellermann, K.I., Bouton, E. N., and Brandt, S.S., 2020. *Open Skies: The National Radio Astronomy Observatory and Its Impact on US Radio Astronomy*. Cham, Springer. Open Access:
<https://www.springer.com/gp/book/9783030323448>

Kostenko A.A. (ed.), 2005, *Academician S.Ya. Braude in the memoirs of contemporaries* (Radio Astronomy Institute of the Ukrainian National Academy of Sciences, Kharkiv, ISBN 966-02-3480-5, 328 pages, in Russian)

Kraus, J. D., 1976. *Big Ear*. Powell, Cygnus-Quasar Books.

Lockman, F. J., Ghigo, F. D., & Balser, D. S. (eds.), 2007. *But It Was Fun: The First Forty Years of Radio Astronomy at Green Bank*. Green Bank, National Radio Astronomy Observatory.

Lovell, Bernard, 1968, *The Story of Jodrell Bank* (Oxford University Press, London)

Lovell, Bernard, 1973, *Out of the Zenith - Jodrell Bank 1957-1970* (Oxford University Press, London)

Lovell, Bernard, 1985, *The Jodrell Bank Telescopes* (Oxford University Press, Oxford)

Lovell, Bernard, 1987. *Voice of the Universe: Building the Jodrell Bank Telescope*. New York, Praeger Publishers.

Lovell, Bernard, 1990. *Astronomer by Chance*. New York, Basic Books, Inc.

Malphrus, B. K., 1996. *The History of Radio Astronomy and the National Radio Astronomy Observatory*. Malabar, Krieger Publishing Company.

Munns, D. P., 2013, *A Single Sky* (Cambridge: MIT Press)

- Orchiston, W., Robertson, P., and Sullivan, W. T., 2021. *The Golden Years of Australian Radio Astronomy: An Illustrated History*. Springer
- Pariiskii, Yu. N. *Pages from My Life* (in Russian), SPb Publications, 2017.
- Piper, R., 1963. *The Big Dish: The Fascinating Story of Radio Telescopes*. New York, Harcourt, Brace & World.
- Raimond, E., and Genee, R. (eds.), 1996. *The Westerbork Observatory, Continuing Adventure in Radio Astronomy*. (Dordrecht: Kluwer) ASSL, 207.
- Robertson, P., 1992. *Beyond Southern Skies*. (Cambridge: Cambridge University Press)
- Robertson, P., 2018. *Radio Astronomer: John Bolton and a New Window on the Universe*. Sydney, NewSouth Publishing.
- Shields, J. C., 1993. *Harold F. Weaver: California Astronomer: An Oral History*. Berkeley, University of California.
- Strom, R., Van Ardenne, A., and Torchinsky, S. (eds.), 2018. *50 Years Westerbork Radio Observatory — A Continuing Journey to Discoveries and Innovations*. (Proceedings of Science (pos.sissa.it) and ASTRON, Dwingeloo, The Netherlands)
- Sullivan, Woodruff T. III, 1982. *Classics in Radio Astronomy* (Dordrecht, Reidel). [A collection of 37 reprinted articles covering the period 1896-1954, with extensive commentary.]
- Sullivan, Woodruff T., III, 1984. *The Early Years of Radio Astronomy: Reflections Fifty Years After Jansky's Discovery* (Cambridge: Cambridge University Press). [Editor and contributor to a collection of 25 retrospective and historical articles covering the pre-1960 era.] Pdf of front matter only:
https://assets.cambridge.org/97805217/65244/frontmatter/9780521765244_frontmatter.pdf
- Sullivan, Woodruff T., III, 2009. *Cosmic Noise: A History of Early Radio Astronomy* (Cambridge: Cambridge University Press). [A detailed monograph on the worldwide development of all aspects of the field up until 1953.]
- van der Kruit, P.C., 2019. *Jan Hendrik Oort -- Master of the Galactic System*. (Springer)

Wilkinson, P., Cannon, P.S., and Stone, W. Ross, 2021. *100 Years of the International Union of Radio Science* (Gent: URSI Press) [Includes chapter on Commission J by Jaap Baars, p. 589]

IN PREPARATION OR IN PRESS (as of * 2022)**

Campbell D. *History of the Arecibo Observatory*

Goss, W.M., Hooker, C., and Ekers, R.D. *Joe Pawsey and the Founding of Australian Radio Astronomy- Early Discoveries, from the Sun to the Cosmos* (in press 2022, Springer)

Gurvits, L.I., Hirabayashi, H. and Schilizzi, R.T. *Space VLBI – Radio telescopes Larger than the Earth* (to be published by Springer)

Kellermann, K.I. and Bouton, E.N. *Star Noise: Discovering the Radio Universe.*

Schilizzi, R.T., Ekers, R.D., Crosby, P., and Dewdney, P.E.D. *The Square Kilometre Array: a science mega-project in the making, 1993-2012*

Schwartz, R. and Zensus, J.A. *History of the Max Planck Institute for Radioastronomy (English translation)*

Vanden Bout, P., Dickman, R., and Plunkett, A. *The ALMA Radio Telescope - Birth Pangs of a Megaproject.*

Wall, J.V., Griffin, E., and Jarrell, R. *A Young Science in a Young County: The Origins and History of Canadian Radio Astronomy* (to be published by Springer)