

Biographical Sketch

John M. Dickey, Professor
Department of Astronomy
University of Minnesota
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Minneapolis, MN 55455
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Professional Preparation: Stanford University, Physics, B.S. 1972
Cornell University, Astrophysics, M.S. 1976
Cornell University, Astronomy, Ph.D. 1977

Appointments: Professor, University of Minnesota, 1990-present
Associate Professor, University of Minnesota, 1987-1990
Assistant Professor, University of Minnesota, 1982-1987
Associate Scientist, National Radio Ast. Obs., 1981-1982
Assistant Scientist, National Radio Ast. Obs., 1979-1981
Astronome Adjoint, Observatoire de Paris, Meudon, 1979
Research Assoc., Five College Radio Ast. Obs., 1977-1979
Research Assistant, Cornell University, 1977
Graduate Research Asst., Arecibo Obs., 1975-1976

Publications:

Dickey, J.M., McClure-Griffiths, N.M., Stanimirovic, S., Gaensler, R.M., Green, A.J., 2001, Ap. J. 561, Nov 10 issue. "Southern Galactic Plane Survey Measurements of the Spatial Power Spectrum of Interstellar HI in the Inner Galaxy."

Gaensler, B.M., Dickey, J.M., McClure-Griffiths, N. M.; Green, A. J.; Wieringa, M. H.; Haynes, R. F., 2001, Ap. J. 549, 959. "Radio Polarization from the Inner Galaxy at Arcminute Resolution."

Dickey, J.M., 1997, Ap. J., 488, 258. "Absorption of the Linear Polarization of the Galactic Background Radiation by the 21-cm Line of HI."

Dickey, J.M., Mebold, U., Marx, M., Amy, S., Haynes, R.F., and Wilson, W., 1994, A. & A., 289, 357. "The Australia Telescope Survey of 21-cm Absorption in the Magellanic System II: The Cool Atomic Gas in the LMC."

Dickey, J.M. and Lockman, F.J., 1990, Ann. Rev. Astron. Astrophys., 28, 215. "HI in the Galaxy."

Dickey, J.M., Mebold, U., Stanimirovic, S., and Staveley-Smith, L. Ap. J. 2000 536, 756. "Cold Atomic Gas in the Small Magellanic Cloud."

Dickey, J.M., Mebold, U., Stanimirovic, S., Staveley-Smith, L., 2000, Ap. J. 536, 756. "Cold Atomic Gas in the Small Magellanic Cloud."

McClure-Griffiths, N.M., Dickey, J.M., Gaensler, B.; Green, A.; Haynes, R.; Wieringa, M., 2000, A.J. 119, 2828. "Two Large HI Shells in the Outer Galaxy near $l=279^{\circ}$."

Dickey, J.M., 1997, Astron. J. 113, 1939. "A VLA Survey of the Hercules Cluster. I. The HI Data."

Dickey, J.M., Kulkarni, S.R., van Gorkom, J.H., and Heiles, C.E., 1983, Ap.J. Suppl., 53, 591.
“A Survey of HI Absorption at Low Latitudes.”

Synergistic Activities:

- Developed astronomy lab course based on cooperative learning groups and hands-on, discovery based exercises (1990 - present).
- Worked as a mentor in the Bush “Early Career Development” teaching program at the University of Minnesota (2001 - 2002). This involves meeting three times per month with a group of six young faculty members, sitting in on their classes, and helping them improve and develop as teachers.
- Ran TA training for astronomy grads and undergrads who will be teaching assistants (TA’s) in astronomy labs. This includes a week long, intensive training course, plus sitting in on their classes and weekly organization meetings (1990 - present).
- Ran “Universe in the Parks” sessions at Minnesota State Parks. Working with two grad students, we showed slides, ran question and answer sessions, and then used various amateur-level telescopes to show the public objects in the summer sky (2000 - 2003).

Collaborators and Other Affiliations:

Collaborators:

Boselli, A., Obs. Paris	Lequeux, J., Obs. Paris
Cabanela, J., Haverford	Liang, H., U. Bristol
Casoli, F., Obs. Paris	Marx, M., U. Bonn
Cordes, J., Cornell	McClure-Griffiths, N., UMN
Duesterberg, C., U. Bonn	Mebold, U., U. Bonn
Ekers, R.D., ATNF	Moorey, G., ATNF
Fouque, P., Obs. Paris	Muller, H., U. Bonn
Gavazzi, G., Obs. Brera	Osterberg, J., U. Bonn
Gaensler, B.M., Harvard	Sauty, S., Obs. Paris
Gerin, M., Obs. Paris	Schoniger, F., U. Tokyo
Green, A.J., Sydney U.	Snowden, S.L., GSFC
Haynes, R.F., ATNF	Sofue, Y., U. Tokyo
Honma, M., U. Tokyo	Stanimirovic, S., ATNF
Ichikawa, T., U. Tokyo	Staveley-Smith, L., ATNF
Kalberla, P., U. Bonn	Tutui, Y., U. Tokyo
Kazes, I., Obs. Paris	Wakamatsu, K., U. Gifu
Kobulnicky, H.A., U.C.-Santa Cruz	Wieringa, M.H., ATNF
Koribalski, B., ATNF	
Lavezzi, T.E., DAO	

Graduate and Postdoctoral Advisors:

M.S. and Ph.D.: Salpeter, E.E. and Terzian, Y., Cornell U.
Postdoc: Huguenin, G.R. U Mass.

Thesis Advisor and Postgraduate Scholar Sponsor:

McClure-Griffiths, N.M., ATNF
Lavezzi, T.E., LANL
Stanimirovic, S., NAIC
Gaswood, R.W. NRAO
Total number of advisees: Ph.D. - 4, M.S. - 5

