CURRICULUM VITAE Van der Voo, Rob

Home address: 2305 Devonshire, Ann Arbor, Michigan 48104, USA
Work address: Department of Geological Sciences, University of Michigan, Ann Arbor, MI. 48109-1005,
E-mail: voo@umich.edu
Married to: Tatiana M. C. Graafland (1966), two children (1969, 1972)

Education: B. Sc. (1961, Geology), M.Sc. (1965, Geology), M.Sc. (1969, Geophysics), Ph.D. (1969, Geology and Geophysics), all at the University of Utrecht, the Netherlands. Dissertation title: "Paleomagnetic evidence for the rotation of the Iberian Peninsula"

Professional (post-PhD) positions:

University of Michigan:	1998-2003	Director Honors Program
	1991-1995	Chairman of Geological Sciences
	1981-1988	Chairman of Geological Sciences
	1979-present	Professor
	1975-1979	Associate Professor
	1972-1975	Assistant Professor
	1970-1972	Visiting Assistant Professor
Universities of Utrecht & Delft, the Netherlands	1997-1998	Visiting Professor
Institute Jaume Almera Barcelona, Spain	1990-1991	Visiting Research Scientist
Greenland Geological Survey, Copenhagen	Summer 1985	Research Scientist
U-Texas at Arlington	Oct. 1984	Guest Professor
University of Kuwait	Dec. 1979	Guest Professor
University of Rennes	1977	Fellow of the C.N.R.S.
Lamont-Doherty Geol. Obs. of Columbia Univ.	1976	Senior Research Fellow

Honors and Awards: Utrecht University, 1969, Ph.D. degree awarded Cum Laude
University of Michigan, 1976, Henry Russel Award
Elected to Royal Academy of Sciences, the Netherlands, as correspondent, 1979
Elected Fellow of the American Geophysical Union, 1982
University of Michigan, 1990, Distinguished Faculty Achievement Award
University of Michigan, Excellence in Education Awards 1991, 1992, 1993.
Geological Society of America, 1992, G.P. Woollard Award
Elected to Royal Norwegian Society of Sciences and Letters, 1995
A.V. Cox Lecturer, American Geophysical Union Spring Meeting, 1997
University of Michigan: Named (Frank H. T. Rhodes) Collegiate Professorship, 2001
Benjamin Franklin Medal in Earth Science, Franklin Institute, 2001
University of Michigan, Sokol Faculty Award, 2006

Membership in Professional Societies:

American Geophysical Union	Fellow
Geological Society of America	Senior Fellow
Geologische Vereinigung	Member
Sigma Xi, Phi Kappa Phi	Member

Professional Service (incl. Scientific Societies):

Geological Society of America: Past-president (2005-2006), President (2004), Vice President (2003) and Councillor (1999-2001, 2003-06), Budget and Finance Committees, Executive Committee Member (2000, 2003-06), Assoc. Editor *Geol. Soc. America Bulletin* (1981-83; 1989-93), *Geology* (1975-81; 1990-92), member Arthur Day Medal Committee (1984-86), G.P. Woollard Medal Committee (1994-96), Annual Program Committee Member (1999) and Chair (2000-02), Nominating Committee Chair (2001), Congressional Fellow Selection Committee (2003), Geology and Public Policy Committee (2003); Public Service Award Committee (2005).

American Geophysical Union: President and President Elect Geomagnetism and Paleomagnetism Section and AGU Council Member (1988-92), Editor *Geophys. Res. Lett*. (1983-87), Assoc. Editor *Reviews of Geophysics* (1988-91) and *Tectonics* (1985-96), past member of Committee on Education and Human Resources, Macelwane Award Committee, Fellowship Committee, Bucher Medal Committee, Fleming Medal Committee, Books Board, Geophys. Monograph Board, Program Chairman GP section (1981), Publications Committee, Various Editor Search Committees, Geomagnetism and Paleomagnetism ad-hoc committee on the future (1985), Convenor of special symposia (1978-93, 2005) at Annual meetings

***Other (present)*:** Editor *Earth Science Reviews* (2006 -), Assoc. Editor *Tectonophysics*, Editorial Board *Journal of Geodynamics*. Advisory Board member of the Canadian Institute for Advanced Research (CIAR) – Earth System Evolution Program (ESEP).

Other (past): Editor *Earth and Planetary Science Letters* (1992-2003); Editorial Board *Terra Nova (2000-2006);* Convenor IAGA, IUGG, IGC, EGS, EUG. Member Council of Scientific Society Presidents (2003-2004), member advisory committee of the Institute for Rock Magnetism, University of Minnesota; Panel member of NRC Associateship program; NSF Earth Science Division panel (1982-85); NSF panel to evaluate Distinguished Teaching Scholar nominations (2004); Member U. S. Geodynamics Committee of the National Research Council; International Lithosphere Commission member, and Chairman of Working Group 2 on "Phanerozoic Plate Motions and Orogenesis" (1981-1985). Past chair of visitation committees of the Vening Meinesz Research School of Geodynamics, Delft and Utrecht, the Netherlands, departments of geology at University of Pittsburgh; University of Minnesota; Bowling Green State University; Ohio State University; Indiana University; Harvard University; Science Foundation of Sweden; (combined) VSNU teaching visitation of Dutch/Belgian (Flemish) University Departments of Earth Science.

Principal Research Interests:

Pre-Mesozoic paleomagnetism and plate tectonics; tectonics of the Caribbean and Mediterranean areas, Hercynian Europe and central Asia; rock magnetism and electron microscopy of sediments and ocean-floor basalts; Neogene magnetostratigraphy and environmental conditions of northeast Tibet; Structure and tectonics of orogenic belts; Oroclinal bending; General geodynamics as related to mantle tomography and paleogeography.

PUBLICATIONS

Books

Paleozoic reconstructions on the basis of paleomagnetic data, R.Van der Voo, C.R.Scotese and N.Bonhommet, Editors, Geodynamics Series, vol. 12, American Geophysical Union, 1984.

Paleomagnetism of the Atlantic, Tethys and Iapetus Oceans, Cambridge University Press, 411 pp., 1993.

30 selected and representative articles (mostly from the last 16 years)

Abrajevitch, A., R. Van der Voo, M. L. Bazhenov, N. M. Levashova and P. J. A. McCausland, The role of the Kazakhstan orocline in the late Paleozoic amalgamation of Eurasia, Tectonophysics, v. 455, 61-76, 2008.

Torsvik, T. H., Müller, R. D., Van der Voo, R., Steinberger, B., and Gaina, C., Global plate motion frames: Toward a unified model, Reviews of Geophysics, v. 46, RG3004, doi: 10.1029/2007RG000227, 2008.

Hnat, J. S., van der Pluijm, B. A., Van der Voo, R., and Thomas, W. A., Differential shortening or rotation in curved thrust fronts: A magnetic, calcite twinning and palinspastic study of the Jones Valley thrust, Alabama, US Appalachians, Jour Struct. Geol., v. 30, 725-738, 2008.

Bazhenov, M. L., Grishanov, A. N., Van der Voo, R., and Levashova, N. M., Late Permian paleomagnetic data east and west of the Urals: Geophysical and geological implications, Geophys. Jour. Intern., v. 173, 395-408, 2008.

Rowe, C., Loope, D., Oglesby, R., Van der Voo, R., and Broadwater, C. E., Inconsistencies between Pangean reconstructions and basic climate controls, Science, 318, 1284-1286, 2007.

McCausland, P. J. A., Van der Voo, R., and Hall, C. M., Circum-Iapetus paleogeography of the Precambrian-Cambrian transition with a new paleomagnetic constraint from Laurerntia, Precambrian Research, 156, 125-152, 2007.

Levashova, N. M., Mikolaichuk, A. V., McCausland, P. J. A., Bazhenov, M. L. and Van der Voo, R., Devonian paleomagnetic results from the North Tien Shan and their implications for the paleogeography of Kazakhstan's tectonic units with respect to Baltica, Earth Planet. Sci. Lett., 257, 104-120, 2007.

Lotfy, H., and Van der Voo, R., Northeast Africa in the middle-late Eoecene: Paleomagnetism of the marine-mammals sites and basalts in the Fayum Province, Journal of African Earth Sciences, 47, 135-152, 2007.

Van der Voo, R., Levashova, N. M., Skrinnik, L. I., Kara, T. V., and Bazhenov, M. L., Late orogenic, large-scale rotations in the Tien Shan and adjacent mobile belts in Kyrgyzstan and Kazakhstan, Tectonophysics, 426, 335-360, 2006.

Yan, M. D., Van der Voo, R., Fang, X. M., Parés, J. M., and Rea, D. K., Paleomagnetic evidence for a mid-Miocene clockwise rotation of about 25˚ of the Guide Basin area in NE Tibet, Earth Planet. Sci. Lett., 241, 234-247, 2006.

Wang, D.M., R. Van der Voo and D. R. Peacor, Why is the remanent magnetic intensity of Cretaceous MORB so much higher than that of mid- to late Tertiary MORB? Geosphere, v. 1 (3), 138-146, 2005.

Van der Voo, R., Paleomagnetism, oroclines and the growth of the continental crust, GSA Today, v 14, no. 12, pp. 4-9, 2004.

Van der Voo, R., and Torsvik, T.H., The quality of the European Permo-Triassic paleopoles and its impact on Pangea reconstructions, American Geophysical Union Monograph on Timescales of the paleomagnetic field, J. E. T. Channell, D. V. Kent, W. Lowrie and J. G. Meert (Eds.), pp. 29-42, 2004.

Fang, X.M., Garzione, C., Van der Voo, R., Li, J.J. and Fan, M., Initial Flexural Subsidence by 29 Ma on the NE Edge of Tibet from the Magnetostratigraphy of Linxia Basin, China, Earth Planet. Sci. Lett., 210, 545-560, 2003.

Kent, D.V., Cramer, B.S., Lanci, L., Wang, D.M., Wright, J.D., and Van der Voo, R., A case for a comet impact trigger for the Paleocene-Eocene thermal maximum and carbon-isotope excursion, Earth Planet. Sci. Lett., 211, 13-26, 2003.

Torsvik, T. H., Van der Voo, R., and Redfield, T. F., Relative hotspot motion versus True Polar Wander, Earth Planet. Sci. Letters, 202, 185-200., 2002.

Weil, A. B., and Van der Voo, R., Insights into the mechanism for orogen-related carbonate remagnetization from growth of authigenic Fe-oxide: A SEM and rock magnetic study of Devonian carbonates from northern Spain, J. Geophys. Res., 107 (B4), 2063, 10.1029/2001JB000200, 2002.

Si, J., and Van der Voo, R., Too-low magnetic inclinations in Central Asia: An indication of a long-term Tertiary non-dipole field? Terra Nova, 13, 471-478, 2001.

Weil, A. B., Van der Voo, R., and van der Pluijm, B. A., Oroclinal bending and evidence against the Pangea megashear: The Cantabria-Asturias Arc (northern Spain), Geology, 29, 991-994, 2001.

Zhou, W., Van der Voo, R., Peacor, D. R., Wang, D., and Zhang, Y., Low-temperature oxidation of titanomagnetite to titanomaghemite in MORB: A gradual process with implications for marine magnetic anomaly amplitudes, J. Geophys. Res., 106, 6409-6421, 2001.

Van der Voo, R., and Torsvik, T. H., Evidence for late Paleozoic and Mesozoic non-dipole fields provides an explanation for the Pangea reconstruction problems, Earth Planet. Sci. Lett., 187, 71-81, 2001.

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Van der Voo, R., Spakman, W., and Bijwaard, H., Tethyan subducted slabs under India, Earth and Planetary Science Letters, 171, 7-20, 1999.

Van der Voo, R., W. Spakman and H. Bijwaard, Mesozoic subducted slabs under Siberia, Nature, 397, 246-249, 1999.

Li, J.-J., Fang, X.-M., Van der Voo, R., Zhu, J.-J., Mac Niocaill, C., Ono, Y., Pan, B.-T., Zhong, W., Wang, J.-L., Toshinori, S., Zhang, Y.-T., Cao, J.-X., Kang, S.-C., and Wang, J.-M., Magnetostratigraphic dating of river terraces: rapid and intermittent incision by the Yellow River of the northeastern margin of the Tibetan Plateau during the Quaternary, Jour. Geophys. Res., 102, 10,121-10,132, 1997.

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Meert, J. G., and Van der Voo, R., 1997, The assembly of Gondwana 800 - 550 Ma, Jour. Geodynamics, 23, 223-235, 1997.

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Van der Voo, R., The reliability of paleomagnetic data, Tectonophysics, 184, 1-9, 1990.

Van der Voo, R., Phanerozoic paleomagnetic poles from Europe and North America and comparisons with continental reconstructions, Reviews of Geophysics, 28, 167-206, 1990.

Suk, D., Peacor, D.R., and Van der Voo, R., Replacement of pyrite framboids by magnetite in limestone and implications for paleomagnetism, Nature, 345, 611-613, 1990.