

Brief Bibliography

TORNADOES



MAY

1989

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Environmental, Satellite, Data, and Information Service
National Oceanographic Data Center

TORNADOES

On a local scale, the tornado can be the most destructive of all atmospheric phenomena. While tornadoes have been reported throughout the world, the vast majority occur in the U.S. during the period March to July.

This brief bibliography is intended to provide a selected guide to the literature on tornadoes published since 1986 together with a small number of older items contained in the extensive collections of the NOAA Central Library.

Current references were selected from Meteorological and Geostrophysical Abstracts, published by the American Meteorological Society, Boston, MA. The search qualifiers were: TORNADO in the Descriptor Field and 1987 to present in the Update Field.

Questions about this material may be addressed to Reference Desk, NOAA Central Library, 6009 Executive Blvd., Rockville, MD 20852, or call (301) 443-8330.

I. Theoretical Studies

Theory for the maximum wind speeds in tornadolike vortices.

Fiedler, Brian H.; Rotunno, Richard.

Ctr. for Met. and Phys. Ocean., MIT, Cambridge; Natl. Ctr. for Atmos. Res., Boulder, CO.

Journal of the Atmospheric Sciences, Boston, 43(21): 2328-2340, Nov. 1, 1986.

Dynamics of tornadic thunderstorms.

Klemp, Joseph B.

Natl. Ctr. for Atmos. Res., Boulder, CO.

In: Annual Review of Fluid Mechanics, Vol. 19. Palo Alto, CA., Annual Reviews Incorporated, 1987. p. 369- 402.

Velocity measurement technique for tornado vortex simulators.

Rothfus, Lans P.

Cooperative Inst. for Mesoscale Met. Studies, Univ. of OK.; NOAA, Norman.

Journal of Atmospheric and Oceanic Technology, Boston, 4(4): 582-587, Dec. 1987.

Minimum assumption tornado-hazard probability model.

Schaefer, Joseph T.; Kelly, Donald L.; Abbey, Robert F.

Natl. Weather Serv. Central Region, Kansas City, MO.; Off. of Naval Res., Arlington, VA.

Journal of Climate and Applied Meteorology, Boston, 25(12): 1934-1945, Dec. 1986.

Effect of boundary conditions on numerically simulated tornadolike vortices.

Smith, David R. Dept. of Earth and Atmos. Sci., Purdue Univ., W. Lafayette, IN.

Journal of the Atmospheric Sciences, Boston, 44(3): 648-656, Feb. 1, 1987.

Effects of convection cell geometry on simulated tornadoes.

Wilkins, Eugene M.; Diamond, Chris J. Univ. of OK., Norman.

Journal of the Atmospheric Sciences, Boston, 44(1): 140-147, Jan. 1, 1987.

II. Detection and Forecasting

Decision tree method of forecasting thunderstorms, severe thunderstorms and tornadoes.

Colquhoun, J. R. Bur. of Met., Darlinghurst, Australia

Weather and Forecasting, Boston, 2(4): 337-345, Dec. 1987.

U.S. tornadoes

Fujita, Tetsuya Theodore

Publish : Chicago, Ill. : Satellite and Mesometeorology Research Project, Dept. of the Geophysical Sciences, University of Chicago, c1987.

Call # : QC981 .C46 no.218 OLAH

Study of prestorm environment by using rawinsonde and satellite observations.

Hung, R. J.; Tsao, Y. D. Univ. of AL., Huntsville
International Journal of Remote Sensing, London, 8(8):
1123-1150, Aug. 1987.

Severe local storm warning verification: 1985.

Leftwich, Preston W., Jr.; Grenier, Leo A.
Natl. Severe Storms Forecast Ctr., Kansas City, MO.
United States. National Oceanic and Atmospheric Administration,
National Weather Service, National Severe Storms Forecast Center,
Kansas City, MO., Technical Memorandum (NOAA TM NWS NSSFC-14),
Dec. 1986. 16 p.

Verification of severe local storm forecasts issued by the National Severe Storms Forecast Center: 1985.

Leftwich, Preston W., Jr.
United States. National Oceanic and Atmospheric Administration,
National Weather Service, National Severe Storms Forecast Center,
Kansas City, MO., Technical Memorandum (NOAA TM NWS NSSFC-13),
Nov. 1986. 9 p.

Synoptic-scale regimes most conducive to tornadoes in eastern Wyoming.

Parker, William T. Cheyenne, Wyo. : National Weather Service
Forecast Office, 1988.

Call # : QC955 .U61 no.90 OAEA

Call # : QC995 .U61 no.90 OLAH

III. Frequency and Distribution

Tornadoes in the Soviet Union and the delimitation of regions experiencing devastating tornadoes.

Elsom, Derek M. TORRO, Geog. Sect., Oxford Polytech.
Journal of Meteorology, Trowbridge, Eng., 12(120): 185-191,
July/Aug. 1987.

U.S. tornadoes, Pt. 1, 70-year statistics.

Fujita, T. Theodore. Chicago, IL., University of Chicago, 1987.

Tornado Climatology of the contiguous United States.

Ramsdell, J. V.
Publsh : Washington, D.C. : Division of Pressurized Water Reactor
Licensing-A, Office of Nuclear Reactor Regulation, U.S.
Nuclear Regulatory Commission, 1986

Call # : QC955 .R3 1986 OAQA

Britain's greatest tornado outbreak

Rowe, M. W.; Meaden, G. I.
Tornado and Storm Res. Org., Southampton; Tornado and Storm Res.
Org., Bradford-on-Avon, Wiltshire.
WEATHER, Bracknell, Eng., 40(8):230-235, Aug. 1985.

IV. General Works

15th Conference on Severe Local Storms

Conference on Severe Local Storms

Publish : Boston, Mass. : The Society, c1988

Call # : QC968 .C65 1988 CONB [Branch

Call # : QC940.6 .C3 1988 OLAH

Tornado.

Miller, Peter

National Geographic Magazine, Wash., D.C., 171(6):690-715, June 1987. (Photos)

Tornadoes and severe storms awareness campaign workbook

United States

Publish : Washington, D.C. : Federal Emergency Management Agency
:National Oceanic and Atmospheric Administration, [1986

Call # : QC955 .F4 1986 OAQA

V. Historical Works

Report on the character of six hundred tornadoes, (1794-1884).

Finley, John P.

Professional Papers of the Signal Service, No. VII. 1884. [150]p.

Tornadoes of the United States

Flora, Snowden Dwight

Publish : Norman, University of Oklahoma Press [1953, c1954]

Call # : QC955.F6 1954 OLAW W

Call # : QC955 .F6 1973 reprint OAQA

Estimate of areal probability of tornadoes from inflationary reporting of their frequencies

Fujita, Tetsuya Theodore

Publish : Chicago, 1970

Call # : QC981 .C46 no.89 OLAH

Normalized indices of destruction and deaths by tornadoes

Kessler, Edwin

Publish : Norman, Okla. : National Severe Storms Laboratory,
Environmental Research Laboratories, 1976

Call # : QC807.5.U6N7 no.77 OLAH H

Call # : QC807.5.U6N7 no.77 OLAA A

Tornado

National Weather Service

Publish : [Washington] : National Oceanic and Atmospheric
Administration.

Call # : QC955.N3 OLAA 1973

Call # : QC955 .U5 1969, 1973 OAQA

Tornado occurrences in the United States

United States

Publish : Washington, D.C. : Dept. of Commerce, Weather Bureau :

Call # : QC983 .U573 no.20 1952 & 1960 OAQA