

Frank J. Watson

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SUMMARY:

Bachelor of Science degree in Atmospheric Science (Meteorology) concentrated in forecasting, forensics and storm reconstruction.

EXPERIENCE:

Currently provide long-range and medium range forecasts for agriculture and weather sensitive businesses. Provide storm summaries for seasonal weather companies. Publish yearly weather Twin City weather calendar. Consulting services for weather related events.

PUBLICATIONS:

Watson's Weather Watch Calendar 2004
Watson's Weather Watch Calendar 2005
Watson's Weather Watch Calendar 2006
Watson's Weather Watch Calendar 2007
Watson's Weather Watch Calendar 2008
Minnesota Storms 2006
Monthly weather column for Hugonian newspaper 1996-2005
Town Life Magazine
LeBulliten Magazine (monthly)
Dakota Farmer Magazine (monthly)
Agmark (monthly)

May 1982- April 1992: Meteorologist for KARE-11 TV. Forecasting, weather production, severe weather tracking and dissemination, advise newsroom on current weather, on air broadcast.

1992-1999: EarthWatch Communications. Trained clients in EarthWatch weather graphics software for on air production. Created marketing and promotional material. Customer service technician specializing in UNIX. Account manger for the northern half of U.S. servicing over 200 markets.

1983-and current: Bruce and Frank Watson Consulting Meteorologists.

Long and medium range forecasting for weather sensitive and agriculture industry. Publish yearly weather calendar that contains personal weather observations, climate reviews of surrounding region and climate history of Minnesota. Provide consulting services for use in litigation as well as expert testimony. Provide storm summaries for weather sensitive companies. Provide climate information for the Energy industry.

Developed software for weather informational kiosk. Create websites for retail and non-profit organizations. Archive daily weather data from personal observations as well as weather data from the National Weather Service and from cooperative network of local weather observers. I've written programs that parse out weather data using Perl, Quick Basic, Excel and Linux. On-site weather monitoring including temperature, precipitation, winds, illumination, sky, water content, solar radiation and black bulb temperature. Guest on local TV and radio offering my opinion on Minnesota climate, current and future weather trends. Provide weather related articles for local publications.

Forensic includes work on:

- Effect of weather types on pavements for reconstruction for auto and personal injury.
- Illumination. Daytime, evening, nautical twilight, civil twilight, sunrise, sunset and sun angle.
- Construction and structural damage due to heavy snow, rains, icing, flooding, winds, hail and lightning.
- Heat related stress on individuals using ambient temperature, black bulb, wet bulb global temperature, wind and water content.

EDUCATION:

Graduate of University of Wisconsin, Madison. 1983 Bachelor of Science, Atmospheric Science.

University of Minnesota, 1978-1981. Twin City campus.

Activities:

American Meteorological Society, Twin Cities Chapter
Toastmasters. Four Seasons Toastmasters. Advanced Communicator Bronze
Roseville Historical Society, Vice President
Marketfest, White Bear Lake
Sharing and Caring Hands, volunteer
Guest speaker for various organizations